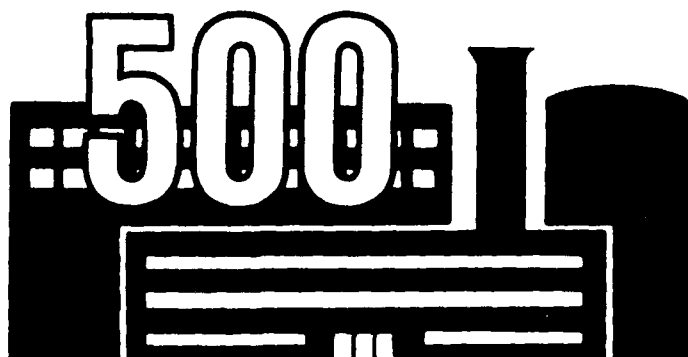


500 CONTRACTORS

RECEIVING THE LARGEST DOLLAR VOLUME
OF PRIME CONTRACT AWARDS
FOR RDT&E

Fiscal Year 1988

AD-A207 967



DISCUSSION STATEMENT A

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500 CONTRACTORS RECEIVING THE LARGEST DOLLAR VOLUME OF PRIME CONTRACT AWARDS FOR RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

Fiscal Year 1988

Department of Defense
Washington Headquarters Services
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FOREWORD

500 Contractors Receiving the Largest Dollar Volume of Prime Contract Awards for Research, Development, Test and Evaluation (RDT&E) is published annually. This report provides information on the 500 contractors that received the largest dollar volume in Department of Defense (DoD) prime contract awards over \$25,000 for RDT&E. These data are presented in five tables showing:

1. An alphabetical listing of the top 500 companies, with rank;
2. The ranking and net value of awards to business firms operating in the United States;
3. The ranking and net value of awards to educational and other nonprofit institutions operating in the United States;
4. The ranking and net value of awards to foreign contractors; and
5. The ranking and net value of awards to U.S. government agencies.



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INTRODUCTION

This report presents summary data on the 500 prime contractors receiving the largest dollar volume in Department of Defense (DoD) awards over \$25,000 for research, development, test, and evaluation (RDT&E) work during Fiscal Year (FY) 1988. RDT&E work can include research, exploratory development, advanced development, engineering development, operational systems development, or management and support services. (Full definitions for each of these categories are provided in DFARS 235.001.)

Table 1 (page 7) lists the 500 contractors in alphabetical order, shows the ranking for each, and shows how each has been categorized for reporting purposes. The categories are business firm (B), foreign contractor (F), and nonprofit institution (N). Table 2 (page 13) shows the net value of awards to U.S. business firms by rank. Those firms which qualify as small businesses are further identified by an "S". The net value of awards to each of the firm's reported locations is also provided. Tables 3, 4, and 5 (pages 29, 33, and 35, respectively) provide the net value of awards to U.S. educational and other nonprofit institutions, foreign contractors, and U.S. government agencies. (While awards to U.S. government agencies are listed separately in Table 5, these agencies are categorized as nonprofit institutions in Table 1.) As in Table 2, contractors in Tables 3 through 5 are shown by rank, with their total awards indicated by an "*". The net value of awards to each of the contractor's reported locations are also shown for these tables.

NOTES ON COVERAGE

The dollar amounts shown here include prime contract awards over \$25,000 for RDT&E work only. Data on awards for other services, such as training, and on any supplies furnished by the contractors in support of research being done are excluded. Contract awards for civil functions have been included in these data. Civil functions encompass planning, programming, designing, constructing, and operating Federal water resource projects for navigation, flood control, hydroelectric power production, water supply, and other related activities.

The locations shown in the tables are the places where the work was to be performed. Normally, this is a facility of the concern awarded the contract. However, if the work was scheduled to be performed at a Defense facility, such as an Air Force base, the location shown may be that of the Defense facility rather than the contractor.

DATA RELATING TO COMPANIES IN THIS PUBLICATION ARE SUBJECT TO THE ACCURACY OF THE DUN & BRADSTREET CORPORATION'S DATA UNIVERSAL NUMBERING SYSTEM AND ITS ABILITY TO DESCRIBE RELATIONSHIPS OF COMPANIES.

HIGHLIGHTS

The following table shows the net value and percent distribution of all RDT&E awards, RDT&E awards to the top 500 companies, and all other RDT&E awards for FY 1988.

Department of Defense Prime Contract Awards Over \$25,000 Fiscal Year 1988

| TYPE OF CONTRACTOR | TOTAL RDT&E | | | TOP 500 RDT&E | | | ALL OTHER RDT&E | | |
|--------------------------|-------------|-------------------|---------------------|---------------|-------------------|---------------------|-----------------|-------------------|---------------------|
| | NUMBER | AWARDS (\$000) | % OF TOTAL \$ | NUMBER | AWARDS (\$000) | % OF TOTAL \$ | NUMBER | AWARDS (\$000) | % OF TOTAL \$ |
| RDT&E - TOTAL | 2,597 | 22,542,526 | 100 | 500 | 21,877,498 | 100 | 2,097 | 665,028 | 100 |
| BUSINESS FIRMS | 2,160 | 19,581,456 | 87 | 377 | 19,026,713 | 87 | 1,783 | 554,743 | 83 |
| Small | 1,646 | 1,413,769 | 6 | 174 | 980,269 | 4 | 1,472 | 433,500 | 65 |
| Large | 514 | 18,167,687 | 81 | 203 | 18,046,444 | 82 | 311 | 121,243 | 18 |
| EDUCATIONAL & NONPROFIT | 308 | 2,794,155 | 12 | 103 | 2,709,630 | 12 | 205 | 84,525 | 13 |
| Educational | 205 | 1,519,897 | 7 | 74 | 1,457,486 | 7 | 131 | 62,411 | 10 |
| Other Nonprofit | 103 | 1,274,258 | 6 | 29 | 1,252,144 | 6 | 74 | 22,114 | 3 |
| U.S. GOVERNMENT AGENCIES | 8 | 13,049 | * | 3 | 12,142 | * | 5 | 907 | * |
| FOREIGN | 121 | 153,866 | 1 | 17 | 129,013 | 1 | 104 | 24,853 | 4 |

*LESS THAN 0.5 PERCENT

NOTE: TOTALS MAY NOT ADD DUE TO ROUNDING

Based on the percentage of total awards, the distribution of FY 1988 awards varies moderately from that in FY 1987. In FY 1988, the top 500 contractors included 377 U.S. business firms (174 of which were small businesses); 103 educational and nonprofit institutions; 3 U.S. government agencies; and 17 foreign contractors.

In FY 1987 the top 500 consisted of 380 business firms (178 were small businesses); 100 educational and nonprofit institutions; 3 U.S. government agencies; and 17 foreign contractors.

The top 500 RDT&E contractors received awards totaling \$21,877 million in FY 1988, compared to \$21,215 million in FY 1987, an increase of \$662 million or 3.1 percent. The \$21,877 million represents 97.0 percent of the \$22,543 million total prime contract awards over \$25,000 for RDT&E work in FY 1988.

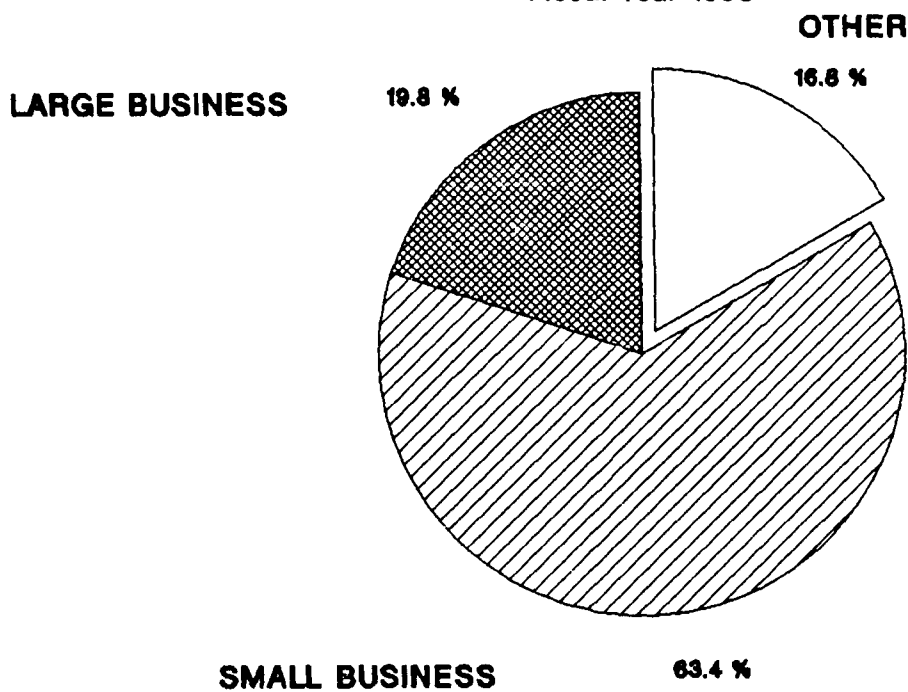
In addition to the top 500 contractors, there were 2,097 other contractors for whom RDT&E procurement actions over \$25,000 were reported, for a total of 2,597 contractors in FY 1988. In FY 1987, the total number of contractors was 2,583.

Of the 37 contractors with RDT&E awards of \$100 million or more in FY 1988, 32 were business firms and 5 were educational and other nonprofit institutions. These 37 contractors had a total of \$16,512 million in RDT&E awards. In FY 1987, there were 37 contractors who reached the \$100 million plateau, with awards totaling \$16,043 million. Of these 37 fiscal year 1987 contractors, 32 were business firms and 5 were educational and other nonprofit institutions. The amount of awards for this \$100 million group increased by \$469 million or 2.9 percent between FY 1987 and 1988.

Breakout of the type of contractors receiving RDT&E awards are shown in the charts on the next page. Both of these charts show the number of firms with their associated percentages, and not the percentage of dollars.

TOTAL CONTRACTORS RECEIVING RDT&E DOLLARS

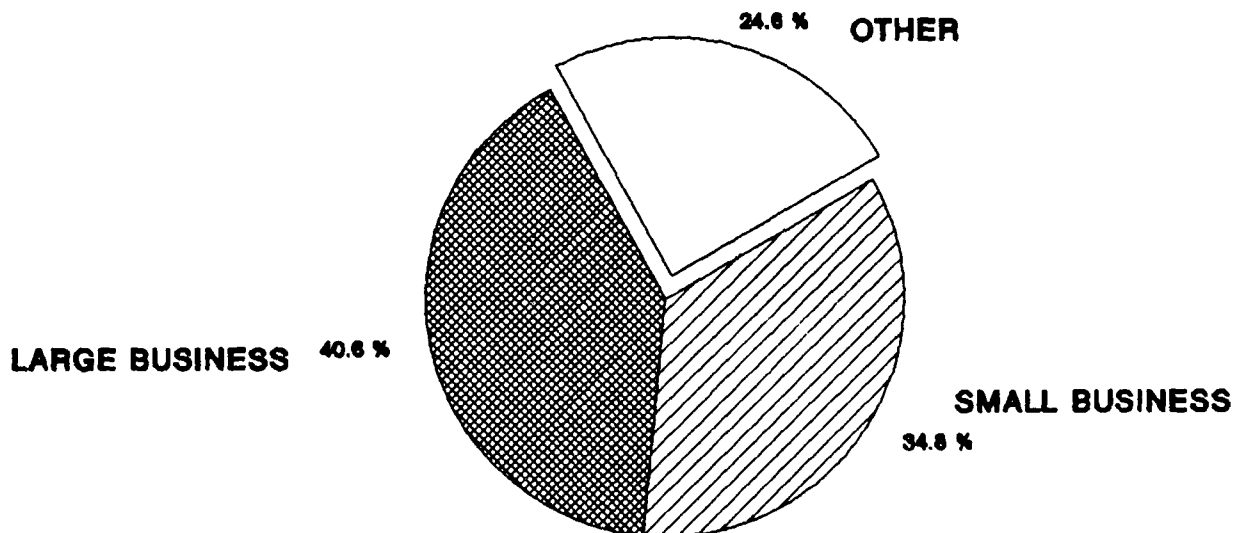
Fiscal Year 1988



TOTAL NUMBER OF FIRMS = 2,597

TOP 500 CONTRACTORS - RDT&E

Fiscal Year 1988

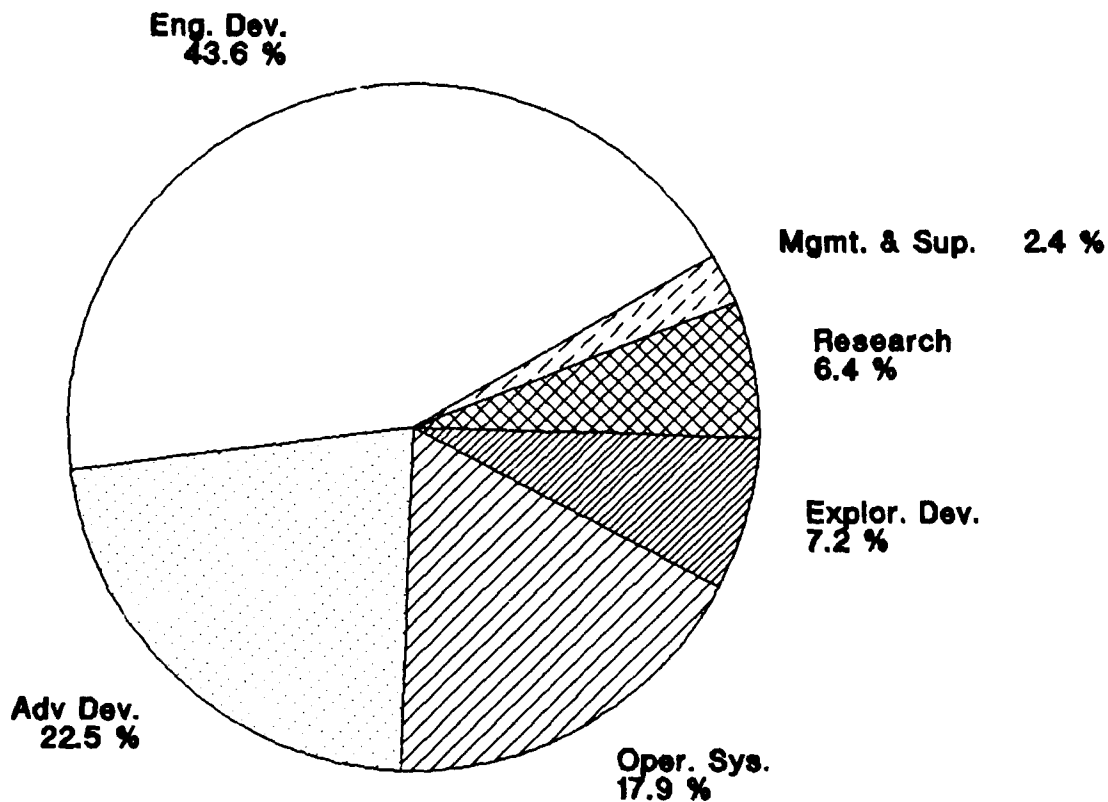


The following table shows the type of RDT&E work the contractors were engaged in and the net value and percent distribution of all awards for each of these types in FY 1988. Engineering development accounted for the majority (43.6 percent) of RDT&E awards, followed by advanced development (22.5 percent).

| TYPE | AWARDS (\$000) | PERCENT OF TOTAL |
|-------------------------|---------------------|---------------------|
| RDT&E - TOTAL | <u>\$22,542,526</u> | <u>100.0</u> |
| Engineering Development | 9,832,514 | 43.6 |
| Advanced Development | 5,072,901 | 22.5 |
| Operational Systems | 4,032,009 | 17.9 |
| Exploratory Development | 1,623,006 | 7.2 |
| Research | 1,443,987 | 6.4 |
| Management and Support | 538,109 | 2.4 |

DOLLAR AWARDS BY TYPE OF RDT&E WORK

Fiscal Year 1988



The last table shows the net value and percent distribution of all RDT&E awards by type of program. Within the RDT&E contracts, the largest volume of awards was for the research, development, test, or evaluation of missile & space systems and aircraft. In FY 1988, a combined total of \$12,855 million or 57.0 percent of all RDT&E awards over \$25,000 was for work connected with these programs.

| PROGRAM | AWARDS (\$000) | PERCENT OF TOTAL |
|--|---------------------|---------------------|
| RDT&E - TOTAL | <u>\$22,542,526</u> | <u>100.0</u> |
| Missile & Space Systems | 7,799,839 | 34.6 |
| Aircraft | 5,055,114 | 22.4 |
| Electronics & Communication Equipment | 3,853,812 | 17.1 |
| Services | 3,464,886 | 15.4 |
| Ships | 523,797 | 2.3 |
| Weapons | 512,706 | 2.3 |
| Ammunition | 478,571 | 2.1 |
| Tank-Automotive | 198,309 | 0.9 |
| All Other | 655,492 | 2.9 |

RDT&E DOLLARS AWARDS BY TYPE OF PROGRAM

Fiscal Year 1988

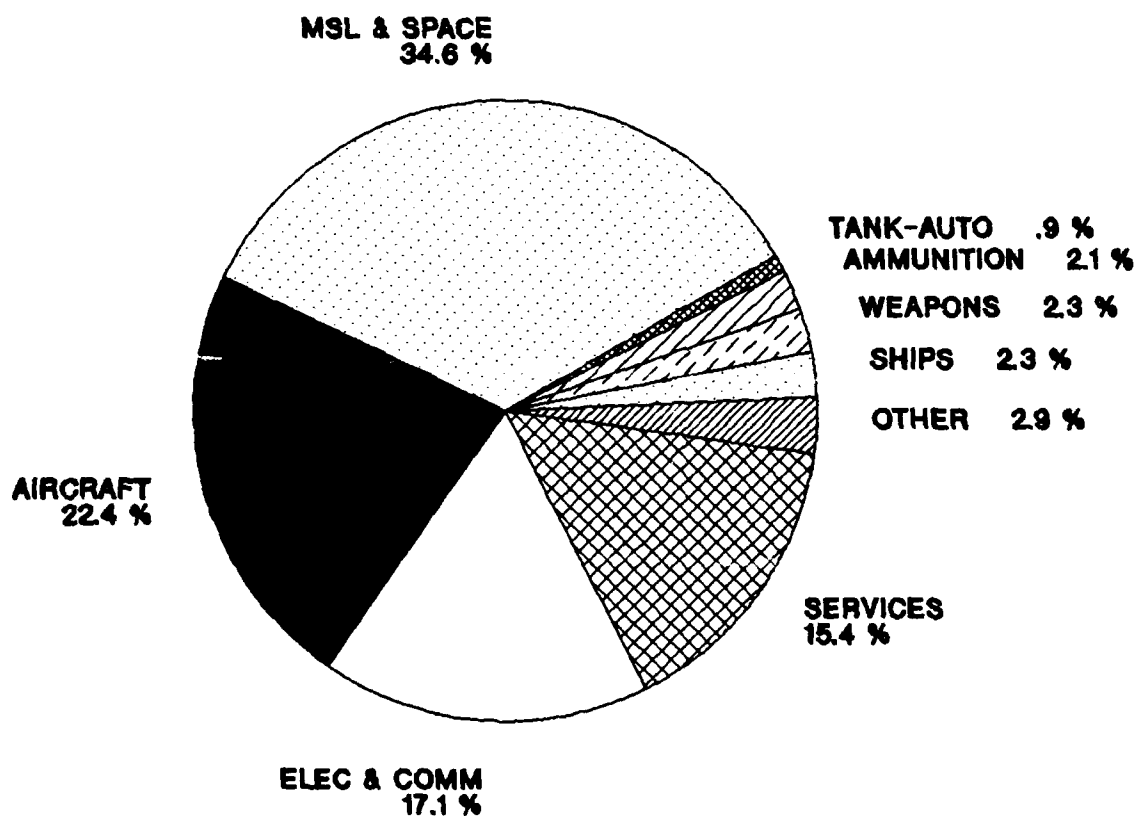


Table 1. Alphabetical Listing of the Top 500 DOD Prime Contractors for Research, Development, Test, and Evaluation Work: FY 1988

| RANK | * | CONTRACTOR | RANK | * | CONTRACTOR |
|------|---|------------------------------------|------|---|--------------------------------|
| 111 | B | A A I CORPORATION | 310 | N | AUBURN UNIVERSITY |
| 25 | B | A T & T TECHNOLOGIES INC | 273 | B | AUTOMATED SCIENCES GROUP INC |
| 121 | B | ACUREX CORPORATION | 371 | B | AUTOMETRIC INC |
| 175 | B | ADVANCED DECISION SYSTEMS | 43 | B | AVCO CORPORATION |
| 429 | B | ADVANCED DIGITAL SYSTEM INC | 51 | B | AVCO RESEARCH LABORATORY INC |
| 444 | B | ADVANCED RES & APPLICATIONS | 339 | B | AYDIN CORPORATION |
| 414 | B | ADVANCED SCIENCES INC | 437 | B | B-K DYNAMICS INC |
| 228 | B | ADVANCED TECHNOLOGY INC | 62 | B | BALL CORPORATION |
| 358 | B | AEL INDUSTRIES INC | 97 | N | BATTELLE MEMORIAL INSTITUTE |
| 425 | B | AERODYNE RESEARCH INC | 50 | B | BDM CORPORATION |
| 30 | B | AEROJET ELECTROSYSTEMS CO | 170 | B | BDM MANAGEMENT SERVICES CO |
| 42 | B | AEROJET GENERAL CORPORATION | 257 | B | BECHTEL NATIONAL INC |
| 33 | B | AEROJET SOLID PROPULSION CO | 12 | B | BELL BOEING JV |
| 423 | B | AEROLIFT INC | 77 | B | BELL HELICOPTER TEXTRON INC |
| 214 | B | AEROMET INC | 298 | B | BERKELEY RESEARCH ASSOCIATES |
| 16 | N | AEROSPACE CORPORATION | 3 | B | BOEING COMPANY THE |
| 497 | B | AHNTech INC | 297 | F | CCFORS A B |
| 364 | B | ALCOA DEFENSE SYSTEMS INC | 55 | B | BOLI BERANEK & NEUMAN INC |
| 45 | B | ALLIED SIGNAL AEROSPACE CO | 86 | B | BOOZ ALLEN & HAMILTON INC |
| 267 | B | ALLIED SIGNAL INC | 264 | N | BOSTON UNIVERSITY TRUSTEES OF |
| 315 | B | ALPHATECH INC | 231 | N | BROWN UNIVERSITY |
| 347 | B | AM GENERAL CORPORATION | 293 | B | BRUNSWICK CDC |
| 428 | B | AMERICAN OPTICAL CORPORATION | 203 | B | BRUNSWICK CORPORATION |
| 489 | N | AMERICAN SOC FOR ENGRG EDUCATN | 499 | B | C V D INCORPORATED |
| 123 | B | AMERICAN SYSTEMS CORPORATION | 394 | B | CACI INTERNATIONAL INC |
| 320 | B | ANALYSIS & COMPUTER SYSTEMS | 177 | N | CALIFORNIA INST OF TECHNOLOGY |
| 140 | B | ANALYSIS & TECHNOLOGY INC | 199 | B | CALIFORNIA RES & TECHNOLOGY |
| 71 | B | ANALYTIC SCIENCES CORP | 48 | B | CALSPAN CORPORATION |
| 88 | N | ANALYTIC SERVICES INC | 234 | B | CAMPBELL ENGINEERING INC |
| 202 | B | ANALYTICAL SYSTEMS ENGRG CORP | 150 | F | CANADIAN COMMERCIAL CORPORATN |
| 190 | B | ANALYTICS INCORPORATED | 471 | F | CANADIAN MARCONI COMPANY |
| 261 | F | ANDREW ANTENNA GOVERNMENT PRO | 58 | N | CARNEGIE-MELLON UNIVERSITY |
| 323 | B | ANDRULIS RESEARCH CORP | 393 | B | CAS INC |
| 314 | B | APPLIED RESEARCH ASSOC INC | 365 | N | CASE WESTERN RESERVE UNIV |
| 146 | B | APPLIED RESEARCH INC | 484 | N | CATHOLIC UNIVERSITY OF AMERICA |
| 290 | B | APPLIED TECHNOLOGY ASSOCIATES | 105 | B | CBI NA-CON INC |
| 284 | B | APTEK INC | 363 | B | CELCO INDUSTRIES INC |
| 100 | B | AQUA-CHEM INC | 165 | B | CHAMBERLAIN MANUFACTURING CORP |
| 343 | B | AQUIDNECK SYSTEMS INTL | 296 | B | CINCINNATI ELECTRONICS CORP |
| 270 | B | ARES INC | 369 | N | CLEMSON UNIVERSITY |
| 426 | B | ARETE ASSOCIATES | 337 | B | COLEMAN RESEARCH CORPORATION |
| 479 | B | ARGOSYSTEMS INC | 36 | B | COLLINS INTERNATIONAL SV CO |
| 262 | B | ARINC RESEARCH CORPORATION | 305 | N | COLORADO STATE UNIVERSITY |
| 408 | N | ARIZONA STATE UNIVERSITY | 94 | B | COLSA INC |
| 455 | B | ARMAMENT SYSTEMS INC | 167 | N | COLUMBIA UNIVERSITY |
| 301 | B | ARMORED VEHICLE TECHNOLOGIES ASSOC | 162 | B | COMARCO INC |
| 433 | B | ARRAL INDUSTRIES INC | 135 | B | COMBUSTION ENGINEERING INC |
| 154 | B | ASSURANCE TECHNOLOGY CORP | 462 | B | COMMAND CONTROL COMMUNICATIONS |
| 381 | B | ATLANTIC AEROSPACE ELECTRONICS | 287 | B | COMPTON RESEARCH INC |
| 99 | B | ATLANTIC RESEARCH CORPORATION | 404 | B | COMPUTER RESOURCE ENGRG ASSOC |

* B = Business Firm
F = Foreign Contractor
N = Nonprofit Institution

Table 1. Alphabetical Listing of the Top 500 DOD Prime Contractors for Research, Development, Test, and Evaluation Work: FY 1988

| RANK | * | CONTRACTOR | RANK | * | CONTRACTOR |
|------|---|----------------------------------|------|---|----------------------------------|
| 44 | B | COMPUTER SCIENCES CORPORATION | 395 | B | EPOCH ENGINEERING INC |
| 82 | B | CONTEL PAGE SYSTEMS INC | 156 | B | ESL INCORPORATED |
| 490 | F | CONTRAVES ITALIANA SPA | 481 | B | ESSEX CORPORATION |
| 113 | B | CONTROL DATA CORPORATION | 307 | B | EVALUATION RESEARCH CORP |
| 136 | N | CORNELL UNIVERSITY | 216 | B | FAIRCHILD INDUSTRIES INC |
| 445 | B | CORTANA CORPORATION | 253 | B | FAIRCHILD WESTON SYSTEMS INC |
| 448 | B | CORVUS SYSTEMS INCORPORATED | 420 | B | FEMTECAMP INC |
| 316 | F | COSYDE GIE | 402 | B | FIBER MATERIALS INC |
| 365 | B | CTA INCORPORATED | 376 | B | FIBERTEK INC |
| 438 | B | CUBIC CORPORATION | 40 | B | FMC CORPORATION |
| 183 | B | CUMMINS ENGINE COMPANY INC | 27 | B | FORD AEROSPACE |
| 436 | N | DARTMOUTH COLLEGE | 174 | B | FOSTER MILLER INC |
| 178 | B | DBA SYSTEMS INC | 91 | B | FOUNDATION HEALTH CORPORATION |
| 292 | B | DCS CORPORATION | 294 | B | G & F CO |
| 410 | B | DECISION-SCIENCE APPLICATIONS | 179 | B | GA TECHNOLOGIES INC |
| 157 | B | DEERE JOHN TECHNOLOGIES INTL | 413 | B | GENERAL APPLIED SCIENCE |
| 217 | B | DEFENSE SYSTEMS INC | 13 | B | GENERAL DYNAMICS CORPORATION |
| 336 | B | DELTA RESEARCH INC | 242 | B | GENERAL DYNAMICS WESTINGHOUSE JV |
| 329 | B | DOSS AVIATION INC | 7 | B | GENERAL ELECTRIC COMPANY |
| 412 | B | DOW CHEMICAL COMPANY THE | 453 | N | GENERAL HOSPITAL CORPORATION |
| 325 | B | DOW CORNING CORPORATION | 103 | B | GENERAL MOTORS CORPORATION |
| 28 | N | DRAFER CHARLES STARK LAB INC | 76 | B | GENERAL RESEARCH CORPORATION |
| 370 | N | DUKE UNIVERSITY | 486 | B | GENTEX CORPORATION |
| 469 | B | DURODYNE INC | 85 | B | GEO-CENTERS INC |
| 377 | B | DYNAMAC INTERNATIONAL INC | 133 | N | GEORGE WASHINGTON UNIV THE |
| 272 | B | DYNAMICS RESEARCH CORPORATION | 69 | N | GEORGIA INSTITUTE TECHNOLOGY |
| 151 | B | DYNACORP | 383 | B | GIORDANO ASSOCIATES INC |
| 236 | B | DYNATECS INC | 130 | B | GLOBAL ASSOCIATES JV |
| 166 | B | E C CORPORATION | 291 | B | GOULD INC |
| 302 | B | E G & G INC | 4 | B | GRUMMAN AEROSPACE CORPORATION |
| 128 | B | E G & G WASH ANALYTICAL SVCS CTR | 102 | B | GTE GOVERNMENT SYSTEMS INC |
| 400 | B | E I C LABORATORY INC | 59 | B | GTE PRODUCTS CORP DEL CORP |
| 73 | B | E SYSTEMS INC | 483 | F | H R TEXTRON INC |
| 194 | B | EAGLE TECHNOLOGY INC | 46 | B | HARRIS CORPORATION |
| 458 | B | EAGLE-PICHER INDUSTRIES INC | 160 | B | HARRIS-MAGNAVOX SYSTEMS CO(JV) |
| 33 | B | EARTH TECHNOLOGY CORPORATION | 74 | B | HARSCO CORPORATION |
| 341 | F | EATMAN & LAK COMPANY | 246 | N | HARVARD UNIVERSITY |
| 76 | B | EATON CORPORATION | 132 | B | HAZELTINE CORPORATION |
| 263 | F | EBASCO SERVICES INC | 397 | F | HECKLER & KOCH INC |
| 289 | B | ECC INTERNATIONAL CORP | 31 | B | HERCULES INCORPORATED |
| 456 | B | ECC CORPORATION | 376 | B | HILTON SYSTEMS INC |
| 419 | B | ELECTRONIC ASSOCIATES INC | 20 | B | HONEYWELL INC |
| 240 | B | ELECTRONIC DECISIONS INC | 101 | N | HUDSON INSTITUTE INC |
| 254 | B | ELECTRONIC WARFARE ASSOCIATES | 374 | B | HUGHES ACFT & TEXAS INSTR JV |
| 147 | B | ELECTROSPACE SYSTEMS INC | 11 | B | HUGHES AIRCRAFT COMPANY |
| 104 | B | EMERSON ELECTRIC CO | 405 | B | HUGHES ASSOCIATES INC |
| 171 | B | ENTIRE CORPORATION | 415 | B | HYFRES INC |
| 186 | B | ENGINEERING & ECONOMICS RES | 52 | N | I I T RESEARCH INSTITUTE |
| 379 | B | ENGINEERING & PROF SVCS | 259 | B | I L C INDUSTRIES DELAWARE |
| 200 | N | ENVIRON RESH INST OF MICHIGAN | 451 | B | I NET INC |

* B = Business Firm
F = Foreign Contractor
N = Nonprofit Institution

Table 1. Alphabetical Listing of the Top 500 DOD Prime Contractors for Research, Development, Test, and Evaluation Work: FY 1988

| RANK | * | CONTRACTOR | RANK | * | CONTRACTOR |
|------|---|-----------------------------------|------|---|----------------------------------|
| 352 | B | INDUSTRIAL DATA LINK CORP | 118 | B | MAGNAVOX GOVT & INDUST ELECTR |
| 396 | B | INFORMATION SYSTEMS NETWORKS CORP | 243 | B | MANTECH INTERNATIONAL CORP |
| 110 | N | INSTITUTE FOR DEF ANALYSES | 208 | B | MAR INCORPORATED |
| 215 | B | INTEGRATED SYSTEMS ANALYSTS | 248 | B | MAREMONT CORPORATION |
| 153 | B | INTERMETRICS INC | 210 | B | MARQUARDT COMPANY THE |
| 22 | B | INTERNATIONAL BUS MCHS CORP | 2 | B | MARTIN MARIETTA CORPORATION |
| 442 | B | INTERNATIONAL COMPUTERS TELECOM | 212 | F | MARTIN-BAKER AIRCRAFT CO LTD |
| 54 | B | INTERSTATE ELECTRONICS CORP | 15 | N | MASSACHUSETTS INST OF TECHNOLOGY |
| 306 | F | ISRAEL AC INC | 164 | N | MASSACHUSETTS UNIVERSITY OF |
| 126 | F | ISRAEL AIRCRAFT INDS INTL | 392 | B | MATERIALS SCIENCE CORP |
| 279 | F | ISRAELI MINISTRY OF DEFENSE | 78 | B | MAXWELL LABORATORIES INC |
| 384 | F | ITE INC | 494 | B | MAYFLOWER COMMUNICATION CO |
| 29 | F | ITT CORPORATION | 1 | B | MC DONNELL DOUGLAS AIRCRAFT |
| 197 | N | ITT RESEARCH INSTITUTE | 8 | B | MC DONNELL DOUGLAS CORPORATION |
| 280 | B | ITT/MARTIN MARIETTA JV | 112 | B | MC DONNELL DOUGLAS HELICOPTER |
| 351 | B | J W P COMMUNICATIONS MFG CO | 300 | B | MC DONNELL DOUGLAS INCO INC |
| 116 | B | JAYCOR | 137 | B | MCDONNELL DGLS BELL HEL TEX JV |
| 19 | N | JOHNS HOPKINS UNIVERSITY | 80 | B | MCDONNELL DOUGLAS ASTRONAUTICS |
| 411 | F | KAMAN AEROSPACE CORPORATION | 303 | N | MERCER UNIVERSITY |
| 114 | B | KAMAN CORPORATION | 89 | F | MESSERSCHMITT-BOELKOW BLOHM |
| 69 | B | KAMAN SCIENCES CORPORATION | 441 | N | MICHIGAN DEPT OF PUBLIC HEALTH |
| 378 | B | KETRON INC | 472 | B | MICROELECTRONICS |
| 335 | B | KEYSTONE COMPUTER ASSOCIATES | 159 | F | MINISTRY OF DEFENSE UK |
| 446 | B | KNOWLEDGE SYSTEMS CONCEPTS | 96 | B | MISSION RESEARCH CORPORATION |
| 491 | B | KULLMORGEN CORPORATION | 19 | N | MITRE CORPORATION |
| 386 | B | L GARDE INC | 57 | B | MORTON THIOKOL INC |
| 496 | B | LASER SCIENCE, INC | 41 | B | MOTOROLA INC |
| 388 | F | LEADING SYSTEMS, INC | 460 | B | N E F ENGINEERING INC |
| 92 | B | LEAR SIEGLER INC | 269 | B | NATION INC |
| 60 | B | LIGHT HELICOPTER TURBIN ENG | 274 | N | NATIONAL ACADEMY SCIENCES USA |
| 195 | B | LITTLE ARTHUR D INC | 500 | B | NATIONAL FORGE COMPANY |
| 213 | B | LITTON INDUSTRIES INC | 457 | N | NATIONAL SCIENCE FOUNDATION |
| 21 | B | LITTON SYSTEMS INC | 439 | N | NATIVE AMERICAN SERVICE ASSN |
| 34 | B | LOCKHEED CORPORATION | 477 | B | NETWORK EQUIPMENT TECHNOLOGIES |
| 125 | B | LOCKHEED ELECTRONICS CO | 349 | B | NETWORK SOLUTIONS INC |
| 333 | B | LOCKHEED ENGRG & SCIENCES CO | 204 | N | NEW MEXICO STATE UNIVERSITY |
| 10 | F | LOCKHEED MISSILES & SPACE CO | 334 | N | NEW YORK UNIVERSITY |
| 211 | B | LOGUS INC | 205 | B | NEWPORT NEWS SHPBUILDING DRYDOCK |
| 30 | B | LOGICON INC | 83 | B | NICHOLS RESEARCH CORPORATION |
| 454 | B | LOGISTICS MANAGEMENT ENTERP | 407 | B | NORDEN SYSTEMS INC |
| 145 | N | LOGISTICS MANAGEMENT INST | 251 | N | NORTH CAROLINA STATE UNIV |
| 56 | B | LORAL CORPORATION | 452 | N | NORTHEASTERN UNIVERSITY CORP |
| 387 | B | LORAL SYS CO | 32 | B | NORTHROP CORPORATION |
| 278 | B | LOS ALAMOS TECHNICAL ASSOC INC | 368 | N | NORTHWESTERN UNIVERSITY |
| 442 | N | LOUISIANA STATE UNIVERSITY | 493 | B | NTS ENGINEERING |
| 459 | B | LSI INC | 342 | B | NUCLEAR METALS INC |
| 24 | B | LTV AEROSPACE & DEFENSE CO | 449 | B | O A O CORPORATION |
| 67 | B | M D T I INC | 317 | B | OCEAN DATA SYSTEMS INC |
| 115 | B | M/A COM LINKABIT INC | 361 | B | ODYSSEY RESEARCH ASSOCIATES |
| 313 | B | MAC AULAY-BROWN INC | 328 | N | OHIO STATE UNIVERSITY |

* B = Business Firm
F = Foreign Contractor
N = Nonprofit Institution

Table 1. Alphabetical Listing of the Top 500 DOD Prime Contractors for Research, Development, Test, and Evaluation Work: FY 1988

| RANK | * | CONTRACTOR | RANK | * | CONTRACTOR |
|------|---|--------------------------------|------|---|--------------------------------|
| 192 | B | OLIN CORPORATION | 458 | B | ROHM AND HAAS COMPANY |
| 283 | B | OPTIC-ELECTRONIC CORP | 132 | F | ROYAL NORWEGIAN NAVAL MATERIAL |
| 247 | B | OPTIMETRICS INC | 430 | N | RUTGERS THE STATE UNIVERSITY |
| 239 | B | ORBITAL SCIENCES CORPORATION | 252 | B | S SYSTEMS CORPORATION |
| 206 | N | OREGON STATE UNIVERSITY | 124 | B | SACHS-FREEMAN ASSOCIATES INC |
| 304 | B | ORINCON CORPORATION | 237 | N | SALK INST FOR BLGICAL STUDIES |
| 417 | B | ORION INTL TECHNOLOGIES | 66 | B | SANDERS ASSOCIATES INC |
| 275 | B | ORLANDO HELICOPTER AIRWAYS | 138 | B | SCHAFER W J ASSOCIATES INC |
| 346 | B | P D A ENGINEERING | 466 | B | SCI TEC INC |
| 186 | B | PACER SYSTEMS INC | 498 | B | SCIENCE & ENGINEERING ASSOC |
| 181 | B | PACIFIC SIERRA RESEARCH CORP | 406 | B | SCIENCE & TECHNOLOGY ASSOC |
| 482 | B | PACIFICA TECHNOLOGY | 399 | B | SCIENCE & TECHNOLOGY CORP |
| 119 | B | PAN AM WORLD SERVICES INC | 35 | B | SCIENCE APPLICATIONS INTL CORP |
| 163 | B | PAR TECHNOLOGY CORPORATION | 354 | B | SCIENCE RESEARCH LABORATORY |
| 476 | B | PARSONS RALPH M COMPANY THE | 447 | B | SCIENTIFIC RESEARCH ASSOC |
| 409 | B | PATEL ENTERPRISES INCORPORATED | 470 | B | SCIENTIFIC SYSTEMS INC |
| 63 | N | PENNSYLVANIA STATE UNIV THE | 359 | B | SCOPE INCORPORATED |
| 107 | B | PERCEPTRONICS INC | 357 | B | SEACO INC |
| 134 | B | PERKIN ELMER CORPORATION | 268 | B | SEMCOR INC |
| 353 | B | PHOTON RESEARCH ASSOCIATES | 23 | B | SINGER COMPANY THE |
| 318 | B | PHYSICAL RESEARCH INC | 324 | B | SIPPICAN INC |
| 373 | B | PHYSICAL SCIENCES INC | 319 | F | SNIA BPD |
| 129 | B | PHYSICS INTERNATIONAL COMPANY | 200 | B | SOFTTECH INC |
| 161 | B | PICKER INTERNATIONAL INC | 348 | B | SONALYSTS INC |
| 222 | B | PLANNING RESEARCH CORPORATION | 141 | B | SONICRAFT INC |
| 152 | B | PLANNING SYSTEMS INCORPORATED | 127 | N | SOUTH CAROLINA RES AUTHORITY |
| 416 | B | POLARIS INC | 331 | N | SOUTHEASTN CTR ELECTR ENG ED |
| 356 | N | POLYTECHNIC UNIV OF NEW YORK | 487 | N | SOUTHERN METHODIST UNIVERSITY |
| 475 | B | POTOMAC SYSTEMS ENGINEERING | 219 | N | SOUTHERN RESEARCH INSTITUTE |
| 244 | N | PRINCETON UNIVERSITY | 172 | N | SOUTHWEST RESEARCH INSTITUTE |
| 182 | N | PURDUE UNIVERSITY | 195 | B | SPACE APPLICATIONS CORPORATION |
| 187 | B | QUEST RESEARCH CORPORATION | 75 | B | SPACE COMMUNICATION COMPANY |
| 260 | B | QUESTTECH INC | 143 | B | SPACE DATA CORPORATION |
| 84 | R | R & D ASSOCIATES | 81 | B | SPARTA INC |
| 235 | B | R J O ENTERPRISES INC | 271 | B | SPARTON CORPORATION |
| 398 | B | RAIL COMPANY | 29 | B | SPERRY CORPORATION |
| 65 | N | RAND CORPORATION | 282 | B | SPIRE CORPORATION |
| 480 | B | RAVEN INC | 49 | N | SRI INTERNATIONAL |
| 255 | B | RAYMOND ENGINEERING INC | 131 | B | SRS TECHNOLOGIES |
| 5 | B | RAYTHEON COMPANY | 158 | B | STANFORD TELECOMMUNICATIONS |
| 220 | B | RAYTHEON SERVICE COMPANY | 79 | N | STANFORD UNIVERSITY |
| 26 | B | RCA CORPORATION | 389 | N | STATE OF OKLAHOMA |
| 467 | B | REMINGTON ARMS COMPANY INC | 266 | N | STATE UNIVERSITY OF NEW YORK |
| 226 | N | RENSSELAER POLYTECHNIC INST | 227 | B | STERIMATICS CORPORATION |
| 478 | B | RESEARCH & DEV LABORATORIES | 330 | B | SUMMIT AVIATION INC |
| 198 | N | RESEARCH TRIANGLE INSTITUTE | 403 | B | SUMMIT TECHNOLOGIES INC |
| 495 | N | RICE WILLIAM MARSH UNIVERSITY | 311 | B | SUNDSTRAND CORPORATION |
| 98 | N | RIVERSIDE RESEARCH INSTITUTE | 53 | B | SVERDRUP TECHNOLOGY INC |
| 322 | B | RMS TECHNOLOGIES INCORPORATED | 432 | B | SYGNETRON PROTECTION SYSTEMS |
| 6 | B | ROCKWELL INTERNATIONAL CORP | 295 | B | SYNETICS CORPORATION |

* B = Business Firm
F = Foreign Contractor
N = Nonprofit Institution

Table 1. Alphabetical Listing of the Top 500 DOD Prime Contractors for Research, Development, Test, and Evaluation Work: FY 1988

| RANK | * | CONTRACTOR | RANK | * | CONTRACTOR |
|------|---|---------------------------------|------|---|--------------------------------|
| 422 | N | SYRACUSE RESEARCH CORP | 47 | N | UNIVERSITY OF CALIFORNIA |
| 207 | N | SYRACUSE UNIVERSITY | 281 | N | UNIVERSITY OF CENTRAL FLORIDA |
| 106 | B | SYSCON CORPORATION | 434 | N | UNIVERSITY OF CHICAGO THE |
| 168 | B | SYSTEM DEVELOPMENT CORPORATION | 338 | N | UNIVERSITY OF COLORADO |
| 375 | B | SYSTEM DYNAMICS INC | 401 | N | UNIVERSITY OF CONNECTICUT |
| 173 | B | SYSTEM PLANNING CORPORATION | 117 | N | UNIVERSITY OF DAYTON INC |
| 473 | B | SYSTEM RESOURCES CORPORATION | 450 | N | UNIVERSITY OF DELAWARE |
| 189 | B | SYSTEMS & ELECTRONICS INC | 321 | N | UNIVERSITY OF FLORIDA |
| 427 | B | SYSTEMS & LOGISTICS CORP | 464 | N | UNIVERSITY OF HAWAII |
| 461 | B | SYSTEMS APPLICATIONS, INC | 109 | N | UNIVERSITY OF ILLINOIS |
| 265 | B | SYSTEMS EXPLORATION INC | 391 | N | UNIVERSITY OF IOWA THE |
| 238 | B | SYSTEMS PLANNING & ANALYSIS | 142 | N | UNIVERSITY OF MARYLAND |
| 418 | B | SYSTEMS RES APPLICATIONS CORP | 176 | N | UNIVERSITY OF MICHIGAN |
| 95 | B | SYSTEMS RESEARCH LABORATORIES | 309 | N | UNIVERSITY OF MINNESOTA |
| 350 | B | SYSTRAN CORP | 245 | N | UNIVERSITY OF NEW MEXICO |
| 488 | B | T S C INC | 344 | N | UNIVERSITY OF NORTH CAROLINA |
| 463 | B | TALLEY DEFENSE SYSTEMS INC | 233 | N | UNIVERSITY OF PENNSYLVANIA |
| 241 | B | TECHNOYN SYSTEMS CORPORATION | 424 | N | UNIVERSITY OF PITTSBURGH |
| 299 | B | TECHNICAL & MGT SVCS CORP | 360 | N | UNIVERSITY OF RHODE ISLAND |
| 465 | B | TECHNOLOGY DEVELOPMENT CORP | 232 | N | UNIVERSITY OF ROCHESTER |
| 372 | B | TEKNOLEDGE INC | 87 | N | UNIVERSITY OF SOUTHERN CALIF |
| 485 | B | TELECOMMUNICATION SCIENCE ASSOC | 382 | N | UNIVERSITY OF TENNESSEE |
| 39 | B | TELEDYNE INC | 64 | N | UNIVERSITY OF TEXAS SYSTEM |
| 184 | B | TELEDYNE INDUSTRIES INC | 250 | N | UNIVERSITY OF UTAH |
| 169 | B | TETRA TECH INC | 362 | N | UNIVERSITY OF VIRGINIA |
| 240 | N | TEXAS A & M UNIVERSITY | 108 | N | UNIVERSITY OF WASHINGTON |
| 37 | B | TEXAS INSTRUMENTS INCORPORATED | 209 | N | UNIVERSITY OF WISCONSIN SYSTEM |
| 443 | B | TEXAS RESEARCH INSTITUTE INC | 122 | N | UTAH STATE UNIVERSITY |
| 221 | B | TEXTRON INC | 390 | B | UTD INC |
| 440 | B | THINKING MACHINES CORPORATION | 312 | N | VANDERBILT UNIVERSITY THE |
| 380 | B | TITAN CORPORATION | 218 | B | VECTOR RESEARCH COMPANY INC |
| 435 | B | TOYON RESEARCH CORP | 144 | B | VEDA INCORPORATED |
| 367 | B | TRACOR APPLIED SCIENCES INC | 196 | B | VERAC INCORPORATED |
| 308 | B | TRACOR INC | 286 | N | VIRGINIA POLYTECHNICAL INST |
| 285 | B | TRACOR INSTRUMENTS AUSTIN INC | 474 | B | VISIDYNE INC |
| 9 | B | TRJ INC | 70 | B | VITRO CORPORATION |
| 332 | B | U S B I CO | 180 | B | VITRONICS INC |
| 224 | N | U S DEPARTMENT OF COMMERCE | 155 | B | VSE CORPORATION |
| 201 | B | U T L CORPORATION | 277 | B | WALLACE T H INC |
| 61 | B | UNISYS CORPORATION | 120 | B | WATKINS-JOHNSON COMPANY |
| 431 | B | UNITED AIRLINES SERVICES CORP | 421 | B | WEIDLINGER ASSOCIATES INC |
| 326 | B | UNITED INTERNATIONAL ENGRG | 225 | B | WESTERN INSTRUMENT CORPORATION |
| 385 | F | UNITED KINGDOM AUTOMIC | 149 | B | WESTERN RESEARCH CORPORATION |
| 345 | F | UNITED KINGDOM MINISTRY OF DEF | 17 | B | WESTINGHOUSE ELECTRIC CORP |
| 355 | N | UNITED STATES DEPT ENERGY | 191 | B | WILLIAMS INTERNATIONAL CORP |
| 14 | B | UNITED TECHNOLOGIES CORP | 139 | N | WOODS HOLE OCEANOGRAPHIC INSTN |
| 327 | N | UNIV CORP FOR ATMOSPHERIC RSC | 288 | B | XEROX CORPORATION |
| 148 | B | UNIVERSAL ENERGY SYSTEMS INC | 258 | B | XONTECH INC |
| 249 | N | UNIVERSITY OF ALABAMA | 223 | N | YALE UNIVERSITY |
| 256 | N | UNIVERSITY OF ARIZONA | 340 | B | ZEROONE SYSTEMS INC |

* B = Business Firm
F = Foreign Contractor
N = Nonprofit Institution

**Table 2. Net Value of DOD Prime Contract Awards Over \$25,000
for RDT&E to Business Firms: FY 1988**

| Rank | Name of Contractor Location of Work | Thousands of Dollars | Rank | Name of Contractor Location of Work | Thousands of Dollars |
|------|---|---|------|--|--|
| 1 | MC DONNELL DOUGLAS AIRCRAFT Huntington Bea California Long Beach California Seattle Washington | 2,156,223 * 1,930 2,154,149 144 | | ROCKWELL INTERNATIONAL CORP El Segundo California Los Angeles California Newport Beach California Rockville California Santa Barbara California Seal Beach California Thousand Oaks California Colorado Sprin Colorado Duluth Georgia Norcross Georgia Cedar Rapids Iowa Albuquerque New Mexico Kirtland AFB New Mexico Columbus Ohio Tulsa Oklahoma Richardson Texas | 406 307,918 257 228 685 16,814 14,533 1,292 19,100 452 11,003 2,462 15,734 394 366 31,948 |
| 2 | MARTIN MARIETTA CORPORATION Mountain View California Sunnyvale California Vandenberg AFB California Denver Colorado Littleton Colorado Waterton Colorado Washington D.C. Orlando Florida Baltimore Maryland Bethesda Maryland Germantown Maryland Glen Burnie Maryland Halethorpe Maryland Middle River Maryland Bellevue Nebraska Albuquerque New Mexico Kirtland AFB New Mexico Rome New York Wright Patters Ohio Vienna Virginia | 2,025,741 * 450 125 2,655 1,721,306 14,438 430 108 246,107 17,535 11,731 30 2,396 602 2,200 889 2,643 493 239 1,164 200 | 7 | GENERAL ELECTRIC COMPANY Huntsville Alabama Williams AFB Arizona San Jose California Daytona Beach Florida Greenbelt Maryland Burlington Mass Lexington Mass Lynn Mass Pittsfield Mass Wilmington Mass Syracuse Nebraska Moorestown-Len New Jersey Princeton New Jersey Schenectady New York Syracuse New York Utica New York Cincinnati Ohio King of Prussia Penn Philadelphia Penn Valley Forge Penn Burlington Vermont | 710,174 * 52,794 2,819 60 533- 211 39 292 35,533 34,858 311 233 125 5,000 133,739 43,034 23,284 271,138 464 90,677 177 15,919 |
| 3 | BOEING COMPANY THE Huntsville Alabama Benedict Kansas Wichita Kansas L. G. Hanscom Mass Philadelphia Penn Ridley Penn Ridley Park Penn Houston Texas Kent Washington Seattle Washington | 878,735 * 20,283 778- 74,395 657- 20,956 339 50 54 47,717 716,376 | 8 | MC DONNELL DOUGLAS CORPORATION Huntsville Alabama Anaheim California Huntington Bea California Long Beach California Denver Colorado Cape Canaveral Florida Eglin Air Forc Florida Annapolis Maryland Patuxent River Maryland Berkeley Missouri St. Louis Missouri Wright Patters Ohio Bergstrom AFB Texas | 663,984 * 807 32,000 353,746 103,251 95 857 798 300 255 2,160 167,463 364 1,888 |
| 4 | GRUMMAN AEROSPACE CORPORATION Edwards AFB California Bethpage New York Beukendaal New York Huntington New York Melville New York | 843,384 * 6,158 834,089 235 265 2,637 | 9 | TRW INC Huntsville Alabama Los Angeles California Redondo Beach California San Bernardino California San Diego California Sunnyvale California Warner Robins Georgia Bedford Mass Boston Mass Albuquerque New Mexico Beavercreek Ohio Cleveland Ohio Dayton Ohio Wright Patters Ohio Alexandria Virginia Fairfax Virginia Falls Church Virginia | 658,703 * 21,945 3,892 346,857 205,389 38,723 3,627 737 312- 16,617 45- 500 32 4,292 6,522 1,254 8,428 245 |
| 5 | RAYTHEON COMPANY Goleta California Oxnard California San Diego California Andover Mass Bedford Mass Lexington Mass Lowell Mass Marlboro Mass Marlborough Mass Northborough Mass Norwood Mass Sudbury Mass Tewksbury Mass Waltham Mass Wayland Mass West Andover Mass Wayne New Jersey East Providenc Rhode Isl Portsmouth Rhode Isl Keyport Naval Washington SPAIN | 840,902 * 12,859 35- 836 16,066 113,801 1,657 11,102 43 92,010 121 130 288,661 30 1,974 270,643 7,473 48 300 22,685 80 418 | 6 | ROCKWELL INTERNATIONAL CORP Huntsville Alabama Brashears Arkansas Anaheim California Downey California Edwards AFB California | 737,671 * 150 198 203,325 106,525 3,881 |

- = Minus Amount (Cancellations Exceed New Awards)
S = Small Business

**Table 2. Net Value of DOD Prime Contract Awards Over \$25,000
for RDT&E to Business Firms: FY 1988**

| Rank | Name of Contractor Location of Work | Thousands of Dollars | Rank | Name of Contractor Location of Work | Thousands of Dollars |
|------|---|-------------------------|------|--|-------------------------|
| 10 | LOCKHEED MISSILES & SPACE CO Huntsville Alabama 2,298 Palo Alto California 16,216 Santa Clara California 1,502 Sunnyvale California 567,003 Mercury Nevada 767- Sunspot New Mexico 32 White Sands Ms New Mexico 5,000 Austin Texas 19,769 Salt Lake City Utah 100 | 611,153 * | 20 | WESTINGHOUSE ELECTRIC CORP West Mifflin Penn 35,121 HONEYWELL INC Glendale Arizona 190 Phoenix Arizona 1,028 West Covina California 4,319 Colorado Sprin Colorado 240 Denver Colorado 139 Littleton Colorado 79 Clearwater Florida 14,299 Tampa Florida 225 Annapolis Maryland 220 Lexington Mass 17,664 Wilmington Mass 460 Bloomington Minnesota 5,563 Brooklyn Park Minnesota 37,870 Edina Minnesota 1,047 Golden Valley Minnesota 426 Hopkins Minnesota 102,945 Minneapolis Minnesota 12,845 Minnetonka Minnesota 50,462 Plymouth Minnesota 22,741 St. Louis Park Minnesota 163 Eatontown New Jersey 993 Albuquerque New Mexico 10,035 Horsham Penn 1,345 Richardson Texas 82 McLean Virginia 550 | 285,930 * |
| 11 | HUGHES AIRCRAFT COMPANY Tucson Arizona 187,346 Buena Park California 1,125 Carlsbad California 10,013 Culver City California 1,978 El Segundo California 232,414 Fullerton California 68,233 Goleta California 8,369 Irvine California 756 Long Beach California 227- Los Angeles California 49,744 Malibu California 12,984 Newport Beach California 167 San Diego California 616 Sunnyvale California 236 Torrance California 6,337 Des Plaines Illinois 204 Baltimore Maryland 657 Albuquerque New Mexico 200 Dahlgren Virginia 300 | 581,452 * | 21 | LITTON SYSTEMS INC Tempe Arizona 75 Los Angeles California 42,774 Moorpark California 80 Sunnyvale California 1,723 Colorado Sprin Colorado 173,205 South Windsor Conn 200 Windsor Conn 476 Orlando Florida 1,132 Fort Benning Georgia 667 Davenport Iowa 73 College Park Maryland 45- Morris Plains New Jersey 157 Williamsport Penn 763 Salt Lake City Utah 16,378 Blacksburg Virginia 51 | 237,709 * |
| 12 | BELL BOEING JV Fort Worth Texas 426,674 * | 426,674 | 22 | INTERNATIONAL BUS MCHS CORP San Jose California 514 Thousand Oaks California 940 Boulder Colorado 28,761 Bethesda Maryland 242 Gaithersburg Maryland 14,902 Oswego Center New York 56 Owego New York 23,736 Yorktown New York 1,900 Yorktown Heigh New York 1,743 Oklahoma City Oklahoma 63 Houston Texas 989- Manassas Virginia 132,376 | 204,244 * |
| 13 | GENERAL DYNAMICS CORPORATION Ontario California 14,812 Pomona California 97,049 Rancho Cucamon California 10,372 San Diego California 108,841 Clinton Conn 38- Groton Conn 60,675 Center Line Michigan 15,519 Sterling Heigh Michigan 18,364 Warren Michigan 1,151 St. Louis Missouri 1,007 Middletown Rhode Isl 69 Fort Worth Texas 87,899 Harlingen Texas 1,825 | 417,545 * | 23 | SINGER COMPANY THE Luke Air Force Arizona 1,634 Williams AFB Arizona 3,688 Jacksonville Arkansas 150 Belmont California 286 Glendale California 595 Stanford Conn 1,000 Fort Wayne Indiana 125 Silver Spring Maryland 228 Little Falls New Jersey 115,398 Wayne New Jersey 12,220 Binghamton New York 5,951 Dallas-Fort Wo Texas 21,629 Houston Texas 5,827 | 168,741 * |
| 14 | UNITED TECHNOLOGIES CORP San Jose California 3,109 East Hartford Conn 25,344 East Hartland Conn 75 Hartford Conn 175 South Windsor Conn 4,751 Stratford Conn 65,444 Windsor Locks Conn 2,358 Flora Florida 160 Kite Florida 92 West Palm Beac Florida 303,613 Albuquerque New Mexico 108 Dayton Ohio 465 | 405,694 * | | | |
| 17 | WESTINGHOUSE ELECTRIC CORP Sunnyvale California 89,056 Annapolis Maryland 617 Baltimore Maryland 83,390 Baltimore-Wash Maryland 5,167 Cockeysville Maryland 650 Cleveland Ohio 1,837 Lima Ohio 44 Wright Patters Ohio 550 Borough Penn 134,985 Pittsburgh Penn 12,119 | 363,536 * | | | |

- = Minus Amount (Cancellations Exceed New Awards)
S = Small Business

**Table 2. Net Value of DOD Prime Contract Awards Over \$25,000
for RDT&E to Business Firms: FY 1988**

| Rank | Name of Contractor Location of Work | Thousands of Dollars | Rank | Name of Contractor Location of Work | Thousands of Dollars |
|------|---|-------------------------|------|---|-------------------------|
| 24 | LTV AEROSPACE & DEFENSE CO College Park Maryland 210 Buffalo New York 350 Dallas Texas 125,236 Grand Prairie Texas 27,852 Dayton Wisconsin 39 | 153,687 * | 33 | AEROJET SOLID PROPULSION CO Sacramento California 117,951 * Sacramento Arm California 115,721 2,230 | |
| 25 | A T & T TECHNOLOGIES INC Eatontown New Jersey 270 New Providence New Jersey 770 Whippany New Jersey 5,838 Schenectady New York 500 Greensboro N Carolina 136,733 Reading Penn 5,024 | 149,135 * | 34 | LOCKHEED CORPORATION Burbank California 113,903 * Ontario California 72,425 Palo Alto California 17,151 Saugus-Bouquet California 60 Marietta Georgia 775 23,492 | |
| 26 | RCA CORPORATION Panama City Florida 58 Burlington Mass 747 Camden New Jersey 19,101 Cherry Hill New Jersey 384 Moorestown New Jersey 4,331 Moorestown-Len New Jersey 88,235 Morristown New Jersey 1,334 Princeton New Jersey 28,758 Somerville New Jersey 2,480 Warminster Penn 768 Fort Worth Texas 2,075 | 148,271 * | 35 | SCIENCE APPLICATIONS INTL CORP Huntsville Alabama 113,763 * Tucson Arizona 6,250 Hermosa Beach California 4,014 Irvine California 8,366 Los Altos California 365 Los Angeles California 490 Monterey California 137 Placentia California 1,731 San Diego California 6,518 Santa Barbara California 49,496 Sunnyvale California 95 Torrance California 144 Englewood Colorado 447 Washington D.C. 299 Fort Walton Be Florida 60 Orlando Florida 503 Marietta Georgia 2,728 Kailua Hawaii 280 Albuquerque New Mexico 2,601 Rome New York 918 Dayton Ohio 200 Wright Patters Ohio 4,930 Wayne Penn 633 Arlington Virginia 30 Dahlgren Virginia 338 McLean Virginia 667 21,523 | |
| 27 | FORD AEROSPACE El Monte California 141,968 * Newport Beach California 216 Palo Alto California 22,498 San Jose California 34,294 Sunnyvale California 35,137 Colorado Sprin California 17,221 Fort Leavenwor Colorado 23,430 Leavenworth Kansas 970 8,202 | | 36 | COLLINS INTERNATIONAL SV CO Cedar Idaho 108,857 * Cedar Rapids Iowa 334 Richardson Texas 108,285 238 | |
| 29 | SPERRY CORPORATION Huntsville Alabama 101 Phoenix Arizona 272 Clearwater Florida 700 St. Paul Minnesota 20,004 Great Neck New York 104,813 Salt Lake City Utah 2,071 McLean Virginia 3,053 Reston Virginia 4,920 | 135,934 * | 37 | TEXAS INSTRUMENTS INCORPORATED Ridgecrest California 107,596 * Colorado Sprin Colorado 147 Allenfarm Texas 16,555 Dallas Texas 360 Dallas-Fort Wo Texas 76,631 Lewisville Texas 665 McKinney Texas 9,060 Plano Texas 200 Sherman Texas 2,778 1,200 | |
| 30 | AEROJET ELECTROSYSTEMS CO Azusa California 131,764 * 131,764 | | 38 | ITT CORPORATION Los Angeles California 99,954 * San Diego California 2,463 Fort Wayne Indiana 127 Nutley New Jersey 14,611 Wright Patters Ohio 80,706 Easton Penn 741 Roanoke Virginia 150 1,156 | |
| 31 | HERCULES INCORPORATED Wilmington Delaware 236 Clearwater Florida 6,653 Cumberland Maryland 688 Magna Utah 90,571 Rocket Center W Virginia 33,517 | 131,665 * | 39 | TELEDYNE INC Huntsville Alabama 96,492 * Los Angeles California 92,023 Sunnyvale California 1,600 Muskegon Michigan 79 Toledo Ohio 500 2,290 | |
| 32 | NORTHROP CORPORATION Anaheim California 123,939 * El Segundo California 15,087 Hawley California 250 Hawthorne California 180 Palmdale California 25,042 Palos Verdes P California 70,450 Pico Rivera California 70 Rolling Hills California 1,365 Thousand Oaks California 1,095 Palos Verdes California 3,489 Rolling Meadow Illinois 1,478 Norwood Mass 2,615 2,818 | | | | |

- = Minus Amount (Cancellations Exceed New Awards)
S = Small Business

**Table 2. Net Value of DOD Prime Contract Awards Over \$25,000
for RDT&E to Business Firms: FY 1988**

| Rank | Name of Contractor | Location of Work | Thousands of Dollars | Rank | Name of Contractor | Location of Work | Thousands of Dollars |
|------|-------------------------------|------------------|----------------------|------|------------------------------|------------------|----------------------|
| 40 | FMC CORPORATION | | 93,584 * | 50 | BDM CORPORATION | | 58,351 * |
| | Anniston | Alabama | 138 | | Huntsville | Alabama | 2,955 |
| | San Jose | California | 54,537 | | Hawthorne | California | 99 |
| | Santa Clara | California | 35,833 | | Monterey | California | 285 |
| | Minneapolis | Minnesota | 3,076 | | Tyndall AFB | Florida | 4,015 |
| 41 | MOTOROLA INC | | 88,500 * | | Columbia | Maryland | 250 |
| | Phoenix | Arizona | 500 | | Albuquerque | New Mexico | 17,618 |
| | Scottsdale | Arizona | 60,888 | | Kettering | Ohio | 46 |
| | Tempe | Arizona | 27,112 | | McLean | Virginia | 32,548 |
| 42 | AEROJET GENERAL CORPORATION | | 82,929 * | | Springfield | Virginia | 175 |
| | Azusa | California | 52,084 | | Seattle | Washington | 360 |
| | Downey | California | 13,384 | 51 | AVCO RESEARCH LABORATORY INC | | 55,609 * |
| | Nimbus | California | 152 | | Puunene | Hawaii | 10,958 |
| | Sacramento | California | 17,024 | | Everett | Mass | 44,651 |
| | Sacramento Arm | California | 285 | 53 | SVERDRUP TECHNOLOGY INC | | 54,712 * |
| 43 | AVCO CORPORATION | | 81,337 * | | Arnold AFS | Tennessee | 51,769 |
| | Stratford | Conn | 324 | | Tullahoma | Tennessee | 2,943 |
| | Stratford AEP | Conn | 38,936 | 54 | INTERSTATE ELECTRONICS CORP | | 52,389 * |
| | Lowell | Mass | 2,897 | | Anaheim | California | 52,389 |
| | Wilmington | Mass | 39,180 | 55 | BOLT BERANEK & NEUMAN INC | | 51,578 * |
| 44 | COMPUTER SCIENCES CORPORATION | | 79,573 * | | Los Angeles | California | 1,087 |
| | Huntsville | Alabama | 8,218 | | San Diego | California | 718 |
| | Camarillo | California | 7,915 | | New London | Conn | 58 |
| | San Diego | California | 20,233 | | Cambridge | Mass | 49,155 |
| | Fort Walton Be | Florida | 4,105 | | Buell | Virginia | 560 |
| | Bedford | Mass | 26- | 56 | LORAL CORPORATION | | 51,144 * |
| | Lakewood | New Jersey | 222 | | Litchfield Par | Arizona | 2,439 |
| | Moorestown-Len | New Jersey | 7,013 | | New York | New York | 5,022 |
| | Oceanport | New Jersey | 257 | | Yonkers | New York | 161 |
| | Shrewsbury | New Jersey | 2,413 | | Akron | Ohio | 43,522 |
| | Albuquerque | New Mexico | 10,845 | 57 | MORTON THIOKOL INC | | 50,884 * |
| | Huntingdon Val | Penn | 4,532 | | Huntsville | Alabama | 2,651 |
| | Dahlgren | Virginia | 7,880 | | Elkton | Maryland | 3,190 |
| | Falls Church | Virginia | 5,966 | | Brigham City | Utah | 45,043 |
| 45 | ALLIED SIGNAL AEROSPACE CO | | 73,802 * | 59 | GTE PRODUCTS CORP DEL CORP | | 49,793 * |
| | Phoenix | Arizona | 7,099 | | Mountain View | California | 1,067 |
| | Los Angeles | California | 808 | | Colorado Sprin | Colorado | 752 |
| | Torrance | California | 7,037 | | Billerica | Mass | 27,903 |
| | Washington | D.C. | 7,930 | | Danvers | Mass | 35 |
| | Baltimore | Maryland | 12,548 | | Needham | Mass | 13,633 |
| | Churchill | Maryland | 125 | | Westboro | Mass | 129 |
| | Columbia | Maryland | 29,844 | | Westborough | Mass | 5,425 |
| | Oxon Hill | Maryland | 350 | | Towanda | Penn | 849 |
| | St. Inigoes | Maryland | 4,119 | 60 | LIGHT HELICOPTER TURBIN ENG | | 49,540 * |
| | Towson | Maryland | 1,033 | | St. Louis | Missouri | 49,540 |
| | Mercury | Nevada | 1,949 | 61 | UNISYS CORPORATION | | 48,319 * |
| | Teterboro | New Jersey | 960 | | Huntsville | Alabama | 403 |
| 46 | HARRIS CORPORATION | | 69,441 * | | Glendale | Arizona | 300 |
| | Boca Raton | Florida | 324- | | Camarillo | California | 2,612 |
| | Melbourne | Florida | 59,387 | | San Diego | California | 2,266 |
| | Palm Bay | Florida | 4,080 | | Panama City Be | Florida | 330 |
| | Winter Park | Florida | 1,611 | | Eagan | Minnesota | 6,062 |
| | Chicago O'Hare | Illinois | 47 | | St. Paul | Minnesota | 2,454 |
| | Omaha | Nebraska | 97 | | Great Neck | New York | 24,500 |
| | Syosset | New York | 4,543 | | Dayton | Ohio | 445 |
| 48 | CALSPAN CORPORATION | | 65,310 * | | Paoli | Penn | 210 |
| | Albany | New York | 173 | | Trevose | Penn | 1,266 |
| | Buffalo | New York | 15,732 | | Warminster | Penn | 433 |
| | Dayton | Ohio | 308 | | Dahlgren | Virginia | 2,340 |
| | Norristown | Penn | 128 | | Herndon | Virginia | 74 |
| | Philadelphia | Penn | 100 | | Reston | Virginia | 4,624 |
| | Greenville | S Carolina | 190 | | | | |
| | Arnold AFS | Tennessee | 48,679 | | | | |

- = Minus Amount (Cancellations Exceed New Awards)
S = Small Business

**Table 2. Net Value of DOD Prime Contract Awards Over \$25,000
for RDT&E to Business Firms: FY 1988**

| Rank | Name of Contractor | Location of Work | Thousands of Dollars | Rank | Name of Contractor | Location of Work | Thousands of Dollars |
|------|------------------------------|------------------|----------------------|------|--------------------------------|------------------|----------------------|
| 62 | BALL CORPORATION | | 46,922 * | 78 | MAXUELL LABORATORIES INC | | 35,081 * |
| | San Diego | California | 2,170 | | Placentia | California | 162 |
| | Boulder | Colorado | 43,833 | | San Diego | California | 31,937 |
| | Broomfield | Colorado | 366 | | Albuquerque | New Mexico | 1,837 |
| | Kirtland AFB | New Mexico | 553 | | Alexandria | Virginia | 154 |
| 66 | SANDERS ASSOCIATES INC | | 43,498 * | | Reston | Virginia | 127 |
| | Hudson | N.H. | 80- | | Richmond | Virginia | 864 |
| | Merrimack | N.H. | 501 | 80 | MCDONNELL DOUGLAS ASTRONAUTICS | | 32,423 * |
| | Nashua | N.H. | 40,552 | | Titusville | Florida | 32,423 |
| | North Bergen | New Jersey | 2,525 | 81 | SPARTA INC | | S 31,654 * |
| 67 | M D T T INC | | 42,516 * | | Huntsville | Alabama | 5,403 |
| | Orlando | Florida | 42,516 | | Del Mar | California | 653 |
| 68 | KAMAN SCIENCES CORPORATION | | 41,766 * | | Edwards AFB | California | 5,397 |
| | Huntsville | Alabama | 505 | | Laguna Beach | California | 286 |
| | Santa Barbara | California | 4,827 | | Laguna Hills | California | 8,740 |
| | Santa Monica | California | 1,223 | | Placentia | California | 500 |
| | Colorado Sprin | Colorado | 19,042 | | San Diego | California | 646 |
| | Burlington | Mass | 863 | | Lexington | Mass | 506 |
| | Albuquerque | New Mexico | 12,412 | | McLean | Virginia | 9,523 |
| | Alexandria | Virginia | 2,894 | 82 | CONTEL PAGE SYSTEMS INC | | 30,887 * |
| 70 | VITRO CORPORATION | | 41,016 * | | Fairfax | Virginia | 30,887 |
| | New London | Conn | 496 | 83 | NICHOLS RESEARCH CORPORATION | | S 30,269 * |
| | New London Nav | Conn | 343 | | Huntsville | Alabama | 26,420 |
| | Bethesda | Maryland | 291 | | Boston | Mass | 49 |
| | Silver Spring | Maryland | 37,424 | | Wakefield | Mass | 1,500 |
| | Warminster | Penn | 102 | | Ann Arbor | Michigan | 50 |
| | Dahlgren | Virginia | 2,360 | | Albuquerque | New Mexico | 1,779 |
| 71 | ANALYTIC SCIENCES CORP | | 40,441 * | | White Sands Ms | New Mexico | 471 |
| | Fort Walton Be | Florida | 1,805 | 84 | R & D ASSOCIATES | | 30,217 * |
| | Reading | Mass | 33,407 | | Marina del Ray | California | 19,291 |
| | Fairborn | Ohio | 5,137 | | Washington | D.C. | 150 |
| | Arlington | Virginia | 92 | | Albuquerque | New Mexico | 1,115 |
| 72 | EATON CORPORATION | | 39,160 * | | Kirtland AFB | New Mexico | 6,318 |
| | Westlake Villa | California | 134 | | Alexandria | Virginia | 270 |
| | Beverly | Mass | 150 | | Fort Lewis | Washington | 729 |
| | Deer Park | New York | 34,121 | | GERMANY, F | | 2,344 |
| | Deer River | New York | 4,114 | 85 | GEO-CENTERS INC | | S 29,184 * |
| | Melville | New York | 641 | | Washington | D.C. | 20,110 |
| 73 | E-SYSTEMS INC | | 38,522 * | | Edgewood Arsen | Maryland | 449 |
| | Saint Petersbu | Florida | 22,980 | | Natick | Mass | 329 |
| | Dallas | Texas | 13,188 | | Natick Researc | Mass | 196 |
| | Greenville | Texas | 1,942 | | Newton | Mass | 5,863 |
| | Fairfax | Virginia | 330 | | Watertown | Mass | 200 |
| | Falls Church | Virginia | 82 | | Wilmington | Mass | 63 |
| 74 | HARSCO CORPORATION | | 38,434 * | | Dover | New Jersey | 1,974 |
| | East Stroudsbu | Penn | 64 | 86 | BOOZ ALLEN & HAMILTON INC | | 28,114 * |
| | York | Penn | 38,370 | | Huntsville | Alabama | 1,100 |
| 75 | SPACE COMMUNICATION COMPANY | | 38,426 * | | Bethesda | Maryland | 15,499 |
| | Gaithersburg | Maryland | 38,426 | | Silver Spring | Maryland | 3,980 |
| 76 | GENERAL RESEARCH CORPORATION | | 37,656 * | | Tinton Falls | New Jersey | 50 |
| | Huntsville | Alabama | 10,574 | | Albuquerque | New Mexico | 975 |
| | Hollister | California | 76 | | Wright Fatters | Ohio | 5,241 |
| | Los Angeles | California | 280 | | Arlington | Virginia | 1,269 |
| | Santa Barbara | California | 24,225 | 90 | LOGICON INC | | 26,889 * |
| | Chelmsford | Mass | 100 | | Los Angeles | California | 20,858 |
| | McLean | Virginia | 2,401 | | San Diego | California | 1,732 |
| 77 | BELL HELICOPTER TEXTRON INC | | 35,752 * | | San Pedro Hill | California | 245 |
| | Fort Worth | Texas | 35,752 | | Bellevue | Nebraska | 3,136 |
| | | | | | Dayton | Ohio | 30 |
| | | | | | Fairfax | Virginia | 888 |
| | | | | 91 | FOUNDATION HEALTH CORPORATION | | 26,888 * |
| | | | | | Sacramento | California | 26,888 |

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| Rank | Name of Contractor Location of Work | | Thousands of Dollars | Rank | Name of Contractor Location of Work | | Thousands of Dollars |
|------|--|------------|-------------------------|------|--|------------|-------------------------|
| 92 | LEAR SIEGLER INC | | 26,572 * | 107 | PERCEPTIONICS INC | S | 21,224 * |
| | Santa Monica | California | 109 | | Los Angeles | California | 20,494 |
| | Grand Rapids | Michigan | 26,463 | | Ann Arbor | Michigan | 730 |
| 93 | EARTH TECHNOLOGY CORPORATION | S | 26,374 * | 111 | A A I CORPORATION | | 20,166 * |
| | Long Beach | California | 26,374 | | Panama City Be | Florida | 37 |
| 94 | COLSA INC | S | 26,025 * | | Baltimore | Maryland | 5,122 |
| | Huntsville | Alabama | 26,025 | | Cockeysville | Maryland | 15,007 |
| 95 | SYSTEMS RESEARCH LABORATORIES | | 25,160 * | 112 | MC DONNELL DOUGLAS HELICOPTER | | 20,060 * |
| | Dayton | Ohio | 12,998 | | Mesa | Arizona | 19,460 |
| | Wright Patters | Ohio | 11,149 | | Culver City | California | 449 |
| | San Antonio | Texas | 1,013 | | Rock Island | Illinois | 108 |
| | | | | | Holloman AFB | New Mexico | 43 |
| 96 | MISSION RESEARCH CORPORATION | S | 25,126 * | 113 | CONTROL DATA CORPORATION | | 19,955 * |
| | Santa Barbara | California | 20,344 | | San Diego | California | 178 |
| | Colorado Sprin | Colorado | 200 | | Rockville | Maryland | 57 |
| | Nashua | N.H. | 1,096 | | Bloomington | Minnesota | 124 |
| | Albuquerque | New Mexico | 3,233 | | Minneapolis | Minnesota | 19,596 |
| | Los Alamos | New Mexico | 50 | 114 | KAMAN CORPORATION | | 19,931 * |
| | Dayton | Ohio | 63 | | Bloomfield | Conn | 19,931 |
| | Alexandria | Virginia | 37 | 115 | M/A COM LINKABIT INC | | 19,888 * |
| | Newington | Virginia | 103 | | San Diego | California | 16,677 |
| 99 | ATLANTIC RESEARCH CORPORATION | | 23,932 * | | Vienna | Virginia | 3,211 |
| | Anaheim | California | 212 | 116 | JAYCOR | S | 19,448 * |
| | Rockville | Maryland | 5,713 | | Los Angeles | California | 1,765 |
| | Severna Park | Maryland | 1,007 | | San Diego | California | 12,070 |
| | Silver Spring | Maryland | 2,344 | | Washington | D.C. | 613 |
| | Shrewsbury | New Jersey | 3,664 | | Edgewood Arsen | Maryland | 482 |
| | Albuquerque | New Mexico | 344 | | Vicksburg | Miss | 216 |
| | White Sands Ms | New Mexico | 200 | | Dayton | Ohio | 1,691 |
| | Dayton | Ohio | 117 | | Fairborn | Ohio | 152 |
| | Wright Patters | Ohio | 824 | | Alexandria | Virginia | 1,094 |
| | Philadelphia | Penn | 1,076 | | McLean | Virginia | 1,135 |
| | Warminster | Penn | 144 | | Vienna | Virginia | 230 |
| | Alexandria | Virginia | 4,749 | 118 | MAGNAVOX GOVT & INDUST ELECTR | | 19,025 * |
| | Gainesville | Virginia | 3,034 | | Torrance | California | 450 |
| | Sterling | Virginia | 56 | | Fort Wayne | Indiana | 15,279 |
| | Vienna | Virginia | 448 | | Mahwah | New Jersey | 3,296 |
| 100 | AQUA-CHEM INC | | 23,684 * | 119 | PAN AM WORLD SERVICES INC | | 18,591 * |
| | Milwaukee | Wisconsin | 23,684 | | Cape Canaveral | Florida | 18,081 |
| 102 | GTE GOVERNMENT SYSTEMS INC | | 23,242 * | | Mercury | Nevada | 510 |
| | Needham | Mass | 23,183 | 120 | WATKINS-JOHNSON COMPANY | | 18,256 * |
| | | GERMANY, F | 59 | | San Jose | California | 18,256 |
| 103 | GENERAL MOTORS CORPORATION | | 22,921 * | 121 | ACUREX CORPORATION | | 18,170 * |
| | Goleta | California | 1,077 | | Mountain View | California | 6,799 |
| | Indianapolis | Indiana | 20,757 | | Dayton | Ohio | 7,306 |
| | Warren | Michigan | 1,094 | | Wright Patters | Ohio | 4,065 |
| 104 | EMERSON ELECTRIC CO | | 22,756 * | 123 | AMERICAN SYSTEMS CORPORATION | S | 17,140 * |
| | Los Angeles | California | 1,231 | | Annandale | Virginia | 17,094 |
| | St. Louis | Missouri | 21,422 | | Chantilly | Virginia | 46 |
| | Rochester | New York | 103 | 124 | SACHS-FREEMAN ASSOCIATES INC | S | 17,076 * |
| 105 | CBI NA-CON INC | | 22,746 * | | Washington | D.C. | 10,148 |
| | Oak Brook | Illinois | 2,222 | | Beltsville | Maryland | 193 |
| | Wayne | Penn | 17,550 | | Bowie | Maryland | 2,218 |
| | Memphis | Tennessee | 2,974 | | Landover | Maryland | 4,517 |
| 106 | SYSCON CORPORATION | | 22,681 * | 125 | LOCKHEED ELECTRONICS CO | | 16,944 * |
| | San Diego | California | 1,026 | | Plainfield | New Jersey | 529 |
| | Washington | D.C. | 3,421 | | White Sands Ms | New Mexico | 16,415 |
| | Albuquerque | New Mexico | 442 | | | | |
| | Newport | Rhode Isl | 249 | | | | |
| | Dahlgren | Virginia | 15,073 | | | | |
| | Naval Surface | Virginia | 2,470 | | | | |

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|------|--|--|--|------|--|--|
| 128 | E G G WASH ANALYTICAL SVCS CTR Sunnyvale California New London Conn Rockville Maryland Kirtland AFB New Mexico Dahlgren Virginia | 16,042 * 70 2,088 9,894 625 3,365 | | 147 | ELECTROSPACE SYSTEMS INC Eglin Air Forc Florida Dayton Ohio Fairborn Ohio Richardson Texas Waco Texas Arlington Virginia | 11,742 * 408 3,798 412- 689 3,047 4,212 |
| 129 | PHYSICS INTERNATIONAL COMPANY San Leandro California Andover Mass Woodbridge Virginia | 15,971 * 14,286 101 1,584 | | 148 | UNIVERSAL ENERGY SYSTEMS INC Dayton Ohio Wright Patters Ohio San Antonio Texas | S 11,658 * 11,157 421 80 |
| 130 | GLOBAL ASSOCIATES JV RM | 15,873 * 15,873 | | 149 | WESTERN RESEARCH CORPORATION San Diego California | S 11,589 * 11,589 |
| 131 | SRS TECHNOLOGIES Huntsville Alabama Irvine California Newport Beach California | S 15,736 * 7,017 250 8,469 | | 151 | DVNCORP Yuma Proving G Arizona White Sands Ms New Mexico Wright Patters Ohio | 11,437 * 5,750 5,462 225 |
| 133 | HAZELTINE CORPORATION Braintree Mass Greenlawn New York Huntington New York | 15,489 * 9,103 6,358 28 | | 152 | PLANNING SYSTEMS INCORPORATED James Virginia McLean Virginia | S 11,326 * 172 11,154 |
| 134 | PERKIN ELMER CORPORATION Hayward California January Conn Norfolk Conn Norwalk Conn Wilton Conn | 15,344 * 3,000 11,054 160 30 1,100 | | 153 | INTERMETRICS INC Huntington Bea California Bethesda Maryland Cambridge Mass Oceanport New Jersey Dayton Ohio Warminster Penn | 11,284 * 2,450 1,306 546 2,410 339 4,233 |
| 135 | COMBUSTION ENGINEERING INC Sierra Vista Arizona Windsor Conn | 15,298 * 15,268 30 | | 154 | ASSURANCE TECHNOLOGY CORP Carlisle Mass | S 11,140 * 11,140 |
| 137 | MCDONNELL DGLS BELL HEL TEX JV Mesa Arizona | 14,000 * 14,000 | | 155 | VSE CORPORATION Valparaiso Florida Alexandria Virginia | 11,135 * 4,721 6,414 |
| 138 | SCHAFER W J ASSOCIATES INC Los Angeles California Chelmsford Mass Arlington Virginia | S 13,804 * 64 9,165 4,575 | | 156 | ESL INCORPORATED Sunnyvale California | 10,928 * 10,928 |
| 140 | ANALYSIS & TECHNOLOGY INC Groton Conn New London Conn New London Nav Conn North Stoningt Conn Stonington Conn Panama City Florida Panama City Be Florida Syracuse New York Arlington Virginia | 13,402 * 851 1,346 253 5,239 385 61 2,090 335 2,842 | | 157 | DEERE JOHN TECHNOLOGIES INTL Woodbridge New Jersey | 10,788 * 10,788 |
| 141 | SONICRAFT INC Chicago Illinois | S 13,343 * 13,343 | | 158 | STANFORD TELECOMMUNICATIONS Santa Clara California Reston Virginia | S 10,748 * 10,080 668 |
| 143 | SPACE DATA CORPORATION Tempe Arizona | S 13,210 * 13,210 | | 160 | HARRIS-MAGNAVOX SYSTEMS CO(JV) Melbourne Florida | 10,628 * 10,628 |
| 144 | VEDA INCORPORATED Fort Walton Be Florida Dayton Ohio Arlington Penn Warminster Penn Arlington Virginia Pleasant Gap Virginia | 12,315 * 1,622 4,341 574 2,197 3,544 37 | | 161 | PICKER INTERNATIONAL INC Highland Heigh Ohio | 10,560 * 10,560 |
| 146 | APPLIED RESEARCH INC Huntsville Alabama Danbury Conn Arlington Virginia | S 11,892 * 11,387 80 425 | | 162 | COMARCO INC Sierra Vista Arizona | 10,453 * 10,453 |
| | | | | 163 | PAR TECHNOLOGY CORPORATION Colorado Sprin Colorado New Hartford New York Dayton Ohio Huber Heights Ohio | 10,432 * 1,549 8,744 90 49 |
| | | | | 165 | CHAMBERLAIN MANUFACTURING CORP Niles Illinois Waterloo Iowa Cockeysville Maryland | 10,297 * 4,081 3,918 2,298 |

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|------|--------------------------------|------------------|----------------------|------|--------------------------------|------------------|----------------------|
| 166 | E C CORPORATION | | S 10,130 * | 185 | LITTLE ARTHUR D INC | | 8,664 * |
| | Huntsville | Alabama | 2,678 | | Fort Walton Be | Florida | 244 |
| | Fort Knox | Kentucky | 1,361 | | Cambridge | Mass | 8,420 |
| | Knoxville | Tennessee | 667 | 186 | PACER SYSTEMS INC | | S 8,661 * |
| | Oak Ridge | Tennessee | 5,424 | | Billerica | Mass | 1,618 |
| 168 | SYSTEM DEVELOPMENT CORPORATION | | 9,940 * | | Billerica Cent | Mass | 117 |
| | Huntsville | Alabama | 3,754 | | Horsham | Penn | 7,022 |
| | Camarillo | California | 969 | | Mildred | Penn | 96- |
| | Santa Monica | California | 913 | 187 | QUEST RESEARCH CORPORATION | | 8,656 * |
| | Sunnyvale | California | 160 | | Eatontown | New Jersey | 200 |
| | Eatontown | New Jersey | 1,699 | | Dayton | Ohio | 2,196 |
| | West Long Bran | New Jersey | 200 | | Falls Church | Virginia | 155 |
| | Paoli | Penn | 1,361 | | McLean | Virginia | 5,710 |
| | Warminster | Penn | 136 | | Vienna | Virginia | 395 |
| | Arlington | Virginia | 334 | 188 | ENGINEERING & ECONOMICS RES | | S 8,594 * |
| | McLean | Virginia | 414 | | Huntsville | Alabama | 3,199 |
| 169 | TETRA TECH INC | | 9,907 * | | Beltsville | Maryland | 1,034 |
| | San Bernardino | California | 9,907 | | Germantown | Maryland | 1,261 |
| 170 | BDM MANAGEMENT SERVICES CO | | 9,899 * | | McLean | Virginia | 2,411 |
| | Kirtland AFB | New Mexico | 6,975 | | Reston | Virginia | 266 |
| | Fort Hood | Texas | 2,924 | | Princeton | W Virginia | 423 |
| 171 | ENCORE CORPORATION | | S 9,703 * | 189 | SYSTEMS & ELECTRONICS INC | | S 8,584 * |
| | Marlborough | Mass | 9,603 | | Rolling Meadow | Illinois | 8,584 |
| | Somerset | New Jersey | 100 | 190 | ANALYTICS INCORPORATED | | S 8,535 * |
| 173 | SYSTEM PLANNING CORPORATION | | 9,505 * | | Oceanport | New Jersey | 428 |
| | Santa Cruz | California | 379 | | Tinton Falls | New Jersey | 377 |
| | Arlington | Virginia | 9,126 | | Willow Grove | Penn | 2,217 |
| 174 | FOSTER-MILLER INC | | S 9,474 * | | Manassas | Virginia | 5,513 |
| | Waltham | Mass | 9,406 | 191 | WILLIAMS INTERNATIONAL CORP | | 8,499 * |
| | Waltham North | Mass | 68 | | Walled Lake | Michigan | 8,499 |
| 175 | ADVANCED DECISION SYSTEMS | | S 9,249 * | 192 | OLIN CORPORATION | | 8,348 * |
| | Mountain View | California | 9,249 | | Stamford | Conn | 281 |
| 178 | DBA SYSTEMS INC | | S 9,182 * | | East Alton | Illinois | 8,067 |
| | Irvine | California | 418 | 194 | EAGLE TECHNOLOGY INC | | S 8,327 * |
| | Kissimmee | Florida | 36 | | Fullerton | California | 3,673 |
| | Melbourne | Florida | 8,728 | | Winter Park | Florida | 143 |
| 179 | GA TECHNOLOGIES INC | | 9,136 * | | Eatontown | New Jersey | 443 |
| | San Diego | California | 9,136 | | Ocean | New Jersey | 209 |
| 180 | VITRONICS INC | | S 9,068 * | | Arlington | Virginia | 3,859 |
| | Eatontown | New Jersey | 4,669 | 195 | SPACE APPLICATIONS CORPORATION | | S 8,288 * |
| | Oceanport | New Jersey | 4,399 | | Santa Clara | California | 8,288 |
| 181 | PACIFIC SIERRA RESEARCH CORP | | 9,019 * | 196 | VERAC INCORPORATED | | S 8,278 * |
| | Los Angeles | California | 6,009 | | Anaheim | California | 893 |
| | Santa Monica | California | 1,559 | | George AFB | California | 427 |
| | White Sands Ms | New Mexico | 749 | | San Diego | California | 2,988 |
| | Montague | N Carolina | 75 | | Albuquerque | New Mexico | 3,145 |
| | Arlington | Virginia | 627 | | Fairborn | Ohio | 128 |
| 183 | CUIMINS ENGINE COMPANY INC | | 8,822 * | | Bergstrom AFB | Texas | 697 |
| | Columbus | Indiana | 8,822 | 199 | CALIFORNIA RES & TECHNOLOGY | | 7,843 * |
| 184 | TELEDYNE INDUSTRIES INC | | 8,680 * | | Los Angeles | California | 7,155 |
| | Los Angeles | California | 2,019 | | Princeton | New Jersey | 501 |
| | San Diego | California | 1,620 | | Albuquerque | New Mexico | 187 |
| | Santa Clara | California | 2,496 | 200 | SOFTECH INC | | 7,832 * |
| | Thousand Oaks | California | 199 | | San Diego | California | 548 |
| | Torrance | California | 96 | | Waltham | Mass | 110 |
| | Muskegon | Michigan | 732 | | Fairborn | Ohio | 274 |
| | Garland | Texas | 723 | | Houston | Texas | 634 |
| | Hill Air Force | Utah | 407 | | Alexandria | Virginia | 6,266 |
| | Alexandria | Virginia | 388 | | | | |

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|------|-------------------------------|------------------|----------------------|------|----------------------------------|------------------|----------------------|
| 201 | U T L CORPORATION | | S 7,781 * | 221 | TEXTRON INC | | 6,885 * |
| | Sunnyvale | California | 153 | | Belmont | California | 3,145 |
| | Dallas | Texas | 7,628 | | Warren | Michigan | 133 |
| 202 | ANALYTICAL SYSTEMS ENGRG CORP | | S 7,758 * | | Buffalo | New York | 2,807 |
| | Salinas | California | 124 | | Wheatfield | New York | 800 |
| | Westlake Villa | California | 607 | 222 | PLANNING RESEARCH CORPORATION | | 6,872 * |
| | Melbourne | Florida | 310 | | Offutt AFB | Nebraska | 263 |
| | Orlando | Florida | 100 | | Philadelphia | Penn | 470 |
| | Clarksburg | Maryland | 146 | | McLean | Virginia | 6,139 |
| | Burlington | Mass | 6,324 | 225 | WESTERN INSTRUMENT CORPORATION | S | 6,793 * |
| | Rome | New York | 147 | | Ventura | California | 6,793 |
| 203 | BRUNSWICK CORPORATION | | 7,728 * | 227 | STERIMATICS CORPORATION | | 6,628 * |
| | Costa Mesa | California | 4,500 | | Bedford | Mass | 6,628 |
| | San Diego | California | 471 | 228 | ADVANCED TECHNOLOGY INC | | 6,627 * |
| | San Francisco | California | 43 | | Huntsville | Alabama | 51 |
| | De Land | Florida | 563 | | Orlando | Florida | 1,098 |
| | Marion | Virginia | 2,151 | | Naval Underwat | Rhode Islnd | 100 |
| 205 | NEWPORT NEWS SHPBLDNG DRYDOCK | | 7,661 * | | Dahlgren | Virginia | 1,071 |
| | Charlottesville | Virginia | 7,661 | | Reston | Virginia | 4,307 |
| 208 | MAR INCORPORATED | | S 7,506 * | 230 | ELECTRONIC DECISIONS INC | S | 6,578 * |
| | Panama City | Florida | 2,552 | | Urbana | Illinois | 6,578 |
| | Rockville | Maryland | 4,954 | 234 | CAMPBELL ENGINEERING INC | S | 6,395 * |
| 210 | MARQUARDT COMPANY THE | | 7,474 * | | Huntsville | Alabama | 6,395 |
| | Los Angeles | California | 7,474 | 235 | R J O ENTERPRISES INC | S | 6,362 * |
| 211 | LOCUS INC | | S 7,448 * | | Lanham | Maryland | 5,899 |
| | Washington | D.C. | 40 | | Dayton | Ohio | 463 |
| | Clarion | Penn | 138 | 236 | DYNETICS INC | S | 6,293 * |
| | Spraggs | Penn | 129 | | Huntsville | Alabama | 6,293 |
| | State College | Penn | 5,939 | 238 | SYSTEMS PLANNING & ANALYSIS | S | 6,221 * |
| | Alexandria | Virginia | 604 | | Arlington | Virginia | 150 |
| | Arlington | Virginia | 598 | | Falls Church | Virginia | 6,071 |
| 213 | LITTON INDUSTRIES INC | | 7,289 * | 239 | ORBITAL SCIENCES CORPORATION | S | 6,128 * |
| | San Carlos | California | 458 | | Fairfax | Virginia | 6,128 |
| | San Diego | California | 70 | 241 | TECHDYN SYSTEMS CORPORATION | S | 6,010 * |
| | Sunnyvale | California | 1,115 | | Oceanport | New Jersey | 1,152 |
| | Lexington | Mass | 5,646 | | McLean | Virginia | 493 |
| 214 | AEROMET INC | | S 7,278 * | | Springfield | Virginia | 4,365 |
| | Tulsa | Oklahoma | 7,278 | 242 | GENERAL DYNAMICS WESTINGHOUSE JV | | 6,000 * |
| 215 | INTEGRATED SYSTEMS ANALYSTS | | S 7,257 * | | Pomona | California | 6,000 |
| | Chula Vista | California | 1,111 | 243 | MANTECH INTERNATIONAL CORP | | 5,961 * |
| | San Diego | California | 350 | | Sierra Vista | Arizona | 1,103 |
| | New London | Conn | 612 | | Los Alamos | New Mexico | 429 |
| | Arlington | Virginia | 5,073 | | Wright Patters | Ohio | 4,379 |
| | Merrifield | Virginia | 111 | | Alexandria | Virginia | 50 |
| 216 | FAIRCHILD INDUSTRIES INC | | 7,235 * | 247 | OPTIMETRICS INC | S | 5,875 * |
| | Washington | D.C. | 775 | | Ann Arbor | Michigan | 5,138 |
| | Annapolis | Maryland | 96 | | Fairborn | Ohio | 737 |
| | Germantown | Maryland | 6,411 | 248 | MAREMONT CORPORATION | | 5,863 * |
| | Farmingdale | New York | 47- | | Saco | Maine | 5,863 |
| 217 | DEFENSE SYSTEMS INC | | S 7,028 * | 252 | S SYSTEMS CORPORATION | S | 5,785 * |
| | McLean | Virginia | 7,028 | | Inglewood | California | 5,360 |
| 218 | VECTOR RESEARCH COMPANY INC | | S 7,027 * | | Albuquerque | New Mexico | 425 |
| | Bethesda | Maryland | 7,027 | 253 | FAIRCHILD WESTON SYSTEMS INC | | 5,712 * |
| 220 | RAYTHEON SERVICE COMPANY | | 6,901 * | | Palo Alto | California | 275 |
| | Bath | Maine | 143 | | Syosset | New York | 1,440 |
| | Marlborough | Mass | 5,287 | | Archbald | Penn | 3,158 |
| | White Sands Ms | New Mexico | 501 | | Horsham | Penn | 839 |
| | Wright Patters | Ohio | 464 | | | | |
| | Dahlgren | Virginia | 506 | | | | |

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| 254 | ELECTRONIC WARFARE ASSOCIATES Beavercreek Ohio Dayton Ohio Vienna Virginia | S 5,708 * 50 330 5,328 | 275 | ORLANDO HELICOPTER AIRWAYS Sanford Florida | S 5,189 * 5,189 |
| 255 | RAYMOND ENGINEERING INC Middletown Conn | 5,700 * 5,700 | 276 | HILTON SYSTEMS INC Huntsville Alabama Tampa Florida Mount Arlington New Jersey | S 5,114 * 3,250 1,070 794 |
| 257 | BECHTEL NATIONAL, INC San Francisco California | 5,693 * 5,693 | 277 | WALLACE T H INC Indian Harbour Florida Melbourne Florida Melbourne Beach Florida Springfield Virginia | S 5,109 * 3,490 874 73 672 |
| 258 | XONTECH INC Los Angeles California | S 5,651 * 5,651 | 278 | LOS ALAMOS TECHNICAL ASSOC INC Los Alamos New Mexico | S 5,030 * 5,030 |
| 259 | I L C INDUSTRIES DELAWARE Frederica Delaware | 5,648 * 5,648 | 280 | ITI/MARTIN MARIETTA JV Orlando Florida | 5,000 * 5,000 |
| 260 | QUESTECH INC Dayton Ohio McLean Virginia | 5,621 * 50 5,571 | 282 | SPIRE CORPORATION Bedford Mass | S 4,974 * 4,974 |
| 262 | ARINC RESEARCH CORPORATION San Diego California Annapolis Maryland | 5,593 * 849 4,744 | 283 | OPTIC-ELECTRONIC CORP Dallas Texas | 4,900 * 4,900 |
| 263 | EBASCO SERVICES INC New York New York | 5,575 * 5,575 | 284 | APTEK INC Colorado Sprin Colorado | S 4,881 * 4,881 |
| 265 | SYSTEMS EXPLORATION INC San Diego California Dayton Ohio Vienna Virginia | S 5,536 * 5,254 225 57 | 285 | TRACOR INSTRUMENTS AUSTIN INC San Ramon California Austin Texas | 4,842 * 127 4,715 |
| 267 | ALLIED SIGNAL INC Phoenix Arizona Thousand Oaks California Torrance California South Bend Indiana Eatontown New Jersey Moorestown-Len New Jersey Morristown New Jersey | 5,492 * 2,442 1,059 300 109 515 339 728 | 287 | COMPTON RESEARCH INC Camarillo California | 4,822 * 4,822 |
| 268 | SEMCO INC Huntsville Alabama Farmingdale New Jersey Mount Laurel New Jersey Wall New Jersey Warminster Penn | S 5,461 * 50 598 3,394 135 1,284 | 289 | ECC INTERNATIONAL CORP Orlando Florida | S 4,682 * 4,682 |
| 269 | NATION INC Oceanport New Jersey Shrewsbury New Jersey | S 5,427 * 2,818 2,609 | 290 | APPLIED TECHNOLOGY ASSOCIATES Orlando Florida Albuquerque New Mexico Kirtland AFB New Mexico | S 4,676 * 183 4,345 148 |
| 270 | ARES INC Port Clinton Ohio | 5,397 * 5,397 | 291 | GOULD INC El Monte California New London Conn Rolling Meadows Illinois Glen Burnie Maryland Cleveland Ohio Middletown Rhode Isl | 4,673 * 116 58- 871 1,237 2,413 94 |
| 271 | SPARTON CORPORATION Fort Wayne Indiana Jackson Michigan | 5,349 * 3,427 1,922 | 292 | DCS CORPORATION Alexandria Virginia | S 4,645 * 4,645 |
| 272 | DYNAMICS RESEARCH CORPORATION San Diego California Andover Mass Wilmington Mass Ann Arbor Michigan Newport Rhode Isl | 5,328 * 81 3,271 948 941 87 | 293 | BRUNSWICK CDC Clearwater Florida | 4,637 * 4,637 |
| 273 | AUTOMATED SCIENCES GROUP INC Huntsville Alabama Manhattan Beach California Silver Spring Maryland Dahlgren Virginia | S 5,323 * 4,834 246- 650 85 | 294 | G & F CO Santa Clara California | 4,634 * 4,634 |
| | | | 295 | SYNETICS CORPORATION Reading Mass Wakefield Mass Vienna Virginia | S 4,618 * 2,475 2,194 49 |

- = Minus Amount (Cancellations Exceed New Awards)
S = Small Business

**Table 2. Net Value of DOD Prime Contract Awards Over \$25,000
for RDT&E to Business Firms: FY 1988**

| Rank | Name of Contractor Location of Work | Thousands of Dollars | Rank | Name of Contractor Location of Work | Thousands of Dollars |
|------|---|--|------|--|----------------------------------|
| 296 | CINCINNATI ELECTRONICS CORP Cincinnati Ohio | 4,607 * 4,607 | 323 | ANDRULIS RESEARCH CORP Bethesda Maryland Salt Lake City Utah | S 4,608 * 3,440 568 |
| 298 | BERKELEY RESEARCH ASSOCIATES Berkeley California Fairfax Virginia Springfield Virginia | S 4,540 * 3,113 79 1,357 | 324 | SIPPICAN INC Marion Mass | S 3,954 * 3,954 |
| 299 | TECHNICAL & MGT SVCS CORP Eatontown New Jersey Oceanport New Jersey Dayton Ohio | S 4,533 * 1,011 389 3,133 | 325 | OW CORNING CORPORATION Midland Michigan | 3,946 * 3,946 |
| 300 | MC DONNELL DUGLAS INTD INT Tampa Florida Chesapeake Virginia McLean Virginia | 4,512 * 850 3,527 335 | 326 | UNITED INTERNATIONAL ENGRG Huntsville Alabama Albuquerque New Mexico | S 3,885 * 475 3,410 |
| 301 | ARMORED VEHICLE TECHNOLOGIES ASSOC Troy Michigan | 4,505 * 4,505 | 329 | DOSS AVIATION INC Shepherd Texas | S 3,774 * 3,774 |
| 302 | E D & G INC Salem Mass Las Vegas Nevada Princeton New Jersey | 4,503 * 180 4,293 40 | 330 | SUMMIT AVIATION INC Middletown Delaware | S 3,773 * 3,773 |
| 304 | BRINCON CORPORATION Placentia California San Diego California | S 4,437 * 1,175 3,431 | 332 | U S B I CO Huntsville Alabama | 3,730 * 3,730 |
| 307 | EVALUATION RESEARCH CORP San Diego California Fairfax Virginia | 4,332 * 226 4,154 | 333 | LOCKHEED ENGRG & SCIENCES CO Dugway Proving Utah | S 3,719 * 3,719 |
| 308 | TRACOR INC Groton Conn Rockville Maryland Austin Texas | 4,327 * 150 174 3,403 | 335 | KEYSTONE COMPUTER ASSOCIATES Fort Washington Penn Warminster Penn | S 3,650 * 3,475 175 |
| 311 | SUNSTRAND CORPORATION San Diego California Rockford Illinois | 4,211 * 2,158 2,053 | 336 | DELTA RESEARCH INC Huntsville Alabama | S 3,572 * 3,572 |
| 313 | MAC AWLAY BROWN INC Shawnee Florida Dayton Ohio Fairborn Ohio | S 4,143 * 369 3,318 455 | 337 | COLEMAN RESEARCH CORPORATION Huntsville Alabama Orlando Florida | S 3,520 * 2,863 651 |
| 314 | APPLIED RESEARCH ASSOC INC Lakeview Colorado Albuquerque New Mexico Raleigh N Carolina South Royalton Vermont | S 4,126 * 141 3,456 462 58 | 339 | AYDIN CORPORATION Horsham Penn | 3,507 * 3,507 |
| 315 | ALPHATECH INC Burlington Mass | S 4,122 * 4,122 | 340 | ZEPHORE SYSTEMS INC Arlington Texas | S 3,437 * 3,437 |
| 317 | OCEAN DATA SYSTEMS INC Rockville Maryland | S 4,110 * 4,110 | 341 | EASTMAN KODAK COMPANY Rochester New York | 3,458 * 3,458 |
| 318 | PHYSICAL RESEARCH INC Huntsville Alabama Rolling Hills California Torrance California | S 4,034 * 170 148 3,776 | 342 | NUCLEAR METALS INC Concord Mass | S 3,452 * 3,452 |
| 320 | ANALYSIS & COMPUTER SYSTEMS Bedford Mass | S 4,025 * 4,025 | 343 | AQUINEUX SYSTEMS INTL Middletown Rhode Island | S 3,400 * 3,400 |
| 322 | BMS TECHNOLOGIES INCORPORATED Lexington Mass Trevose Penn | S 4,027 * 437 3,530 | 346 | F C A ENGINEERING Costa Mesa California Santa Ana California Albuquerque New Mexico | S 3,347 * 2,994 303 50 |
| | | | 347 | AM GENERAL CORPORATION South Bend Indiana Livonia Michigan | 3,305 * 3,266 39 |
| | | | 348 | SONALYSTS INC New London Conn Waterford Conn Virginia Beach Virginia | S 3,303 * 260 2,932 111 |
| | | | 349 | NETWORK SOLUTIONS INC San Bernardino California Alexandria Virginia | S 3,293 * 2,319 974 |

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**Table 2. Net Value of DOD Prime Contract Awards Over \$25,000
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| Rank | Name of Contractor | Location of Work | Thousands of Dollars | Rank | Name of Contractor | Location of Work | Thousands of Dollars |
|------|-----------------------------|--------------------------|----------------------|------|---------------------------------|---------------------------|----------------------|
| 350 | SYSTRAN CORP | Dayton Ohio | S 3,241 * | 376 | FIBERTEK INC | Herndon Virginia | S 2,850 * |
| | | | 3,231 | | | | 2,850 |
| 351 | J W P COMMUNICATIONS MFG CO | Long Beach California | S 3,280 * | 377 | DYNAMAC INTERNATIONAL INC | Tyndall AFB Florida | 2,834 * |
| | | | 3,280 | | | Rockville Maryland | 57 |
| 352 | INDUSTRIAL DATA LINK CORP | San Diego California | S 3,264 * | | | | 2,777 |
| | | | 3,264 | 378 | KETRON INC | Towson Maryland | S 2,814 * |
| 353 | PHOTON RESEARCH ASSOCIATES | Placentia California | S 3,248 * | | | Malvern Penn | 459 |
| | | San Diego California | 670 | | | Philadelphia Penn | 1,691 |
| | | Cambridge Mass | 2,147 | | | Warminster Penn | 242 |
| | | Port Jefferson New York | 281 | | | Arlington Virginia | 372 |
| | | | 150 | | | | 50 |
| 354 | SCIENCE RESEARCH LABORATORY | Somerville Mass | S 3,240 * | 379 | ENGINEERING & PROF SVCS | Tinton Falls New Jersey | S 2,807 * |
| | | | 3,240 | | | | 2,807 |
| 357 | SEACO INC | San Diego California | S 3,191 * | 380 | TITAN CORPORATION | Los Angeles California | 2,807 * |
| | | Kailua Hawaii | 38 | | | San Diego California | 439 |
| | | | 3,153 | | | Albuquerque New Mexico | 1,501 |
| 358 | AEL INDUSTRIES INC | Lansdale Penn | 3,190 * | | | Vienna Virginia | 246 |
| | | | 3,182 | | | GERMANY, F | 33 |
| 359 | SCIFE INCORPORATED | Fairfax Virginia | S 3,155 * | | | | 588 |
| | | Reston Virginia | 125 | 381 | ATLANTIC AEROSPACE ELECTRONICS | Greenbelt Maryland | S 2,783 * |
| | | | 3,031 | | | Waltham Mass | 753 |
| 361 | JOYSEY RESEARCH ASSOCIATES | Ithaca New York | S 3,130 * | | | Arlington Virginia | 1,979 |
| | | | 3,130 | | | | 51 |
| 363 | CELOD INDUSTRIES INC | Summit New Jersey | 3,093 * | 383 | GIORDANO ASSOCIATES INC | Long Branch New Jersey | S 2,757 * |
| | | | 3,093 | | | Sparta New Jersey | 1,630 |
| 364 | ALCOA DEFENSE SYSTEMS INC | San Diego California | 3,052 * | | | West Long Bran New Jersey | 485 |
| | | | 3,052 | | | | 642 |
| 365 | OTA INCORPORATED | Ridgewood California | S 3,036 * | 384 | ITE INC | Beltsville Maryland | S 2,757 * |
| | | Englewood Colorado | 2,149 | | | | 2,757 |
| | | Dayton Ohio | 442 | 386 | L GARDE INC | Newport Beach California | S 2,727 * |
| | | | 445 | | | Tustin California | 300 |
| 367 | TRACOR APPLIED SCIENCES INC | San Diego California | 3,035 * | | | | 2,427 |
| | | Groton Conn | 1,043 | 387 | LORAL SYS CO | Pasadena California | 2,709 * |
| | | Rockville Maryland | 59 | | | | 2,709 |
| | | Austin Texas | 310 | 388 | LEADING SYSTEMS, INC | Irvine California | S 2,705 * |
| | | | 1,623 | | | | 2,705 |
| 371 | AUTOMETRIC INC | Boston Mass | S 2,911 * | 390 | UTD INC | Alexandria Virginia | S 2,690 * |
| | | Rome New York | 130 | | | Springfield Virginia | 1,654 |
| | | Dallas Texas | 442 | | | | 1,036 |
| | | San Antonio Texas | 524 | 392 | MATERIALS SCIENCE CORP | Spring House Penn | S 2,589 * |
| | | Alexandria Virginia | 50 | | | | 2,589 |
| | | Falls Church Virginia | 871 | 393 | CAS INC | Huntsville Alabama | S 2,554 * |
| | | Vienna Virginia | 501 | | | | 2,554 |
| | | | 353 | 394 | CACI INTERNATIONAL INT | Washington D.C. | 2,550 * |
| 372 | TEKKNOWLEDGE INC | Thousand Oaks California | S 2,883 * | | | San Antonio Texas | 1,057 |
| | | | 2,883 | | | Arlington Virginia | 150 |
| 373 | PHYSICAL SCIENCES INC | Andover Mass | S 2,873 * | | | | 1,349 |
| | | Woburn Mass | 2,773 | 395 | EPOCH ENGINEERING INC | Galtherstburg Maryland | S 2,518 * |
| | | Alexandria Virginia | 50 | | | | 2,518 |
| | | | 50 | 396 | INFORMATION SYSTEMS NTURNS CORP | Bethesda Maryland | S 2,516 * |
| 374 | HUGHES APT & TEXAS INSTR IV | El Segundo California | 2,883 * | | | Dayton Ohio | 1,194 |
| | | | 2,883 | | | | 1,300 |
| 375 | SYSTEM DYNAMICS INC | Huntsville Alabama | S 2,864 * | 398 | PAUL COMPANY | Towson Maryland | S 2,502 * |
| | | Gainesville Florida | 2,861 | | | Arlington Virginia | 501 |
| | | | 39 | | | Falls Church Virginia | 50 |
| | | | | | | | 1,635 |

* Millions of Dollars; Asterisks Indicate New Awards to Small Business

**Table 2. Net Value of DOD Prime Contract Awards Over \$25,000
for RDT&E to Business Firms: FY 1988**

| Rank | Name of Contractor | Location of Work | Thousands of Dollars | Rank | Name of Contractor | Location of Work | Thousands of Dollars |
|------|--------------------------------|------------------|----------------------|------|---------------------------------|------------------|----------------------|
| 399 | SCIENCE & TECHNOLOGY CORP | | S 2,505 * | 420 | FEMMECAMP INC | | S 2,365 * |
| | Edgewood | Maryland | 106 | | Manassas | Virginia | 2,365 |
| | Las Cruces | New Mexico | 562 | 421 | WEIDLINGER ASSOCIATES INC | | S 2,343 * |
| | Hampton | Virginia | 1,837 | | Los Altos | California | 40 |
| 400 | E I C LABORATORY INC | | S 2,500 * | | Palo Alto | California | 936 |
| | Newton | Mass | 488 | | New York | New York | 1,367 |
| | Norwood | Mass | 2,012 | 423 | AEROLIFT INC | | S 2,325 * |
| 402 | FIBER MATERIALS INC | | S 2,495 * | | Tillamook | Oregon | 2,325 |
| | Biddeford | Maine | 2,495 | 425 | AERODYNE RESEARCH INC | | S 2,322 * |
| 403 | SUMMIT TECHNOLOGIES INC | | S 2,493 * | | Billerica | Mass | 2,273 |
| | Springfield | Virginia | 2,492 | | North Billerica | Mass | 49 |
| 404 | COMPUTER RESOURCE ENGRG ASSOC | | 2,467 * | 426 | ARETE ASSOCIATES | | S 2,302 * |
| | Chantilly | Virginia | 250 | | Los Angeles | California | 1,237 |
| | Vienna | Virginia | 78 | | San Diego | California | 815 |
| | Warrenton | Virginia | 1,890 | | Arlington | Virginia | 250 |
| | | GERMANY, F | 249 | 427 | SYSTEMS & LOGISTICS CORP | | S 2,297 * |
| 405 | HUGHES ASSOCIATES INC | | S 2,464 * | | San Bernardino | California | 2,297 |
| | Wheaton-Glenmo | Maryland | 2,464 | 428 | AMERICAN OPTICAL CORPORATION | | 2,269 * |
| 406 | SCIENCE & TECHNOLOGY ASSOC | | S 2,463 * | | Southbridge | Mass | 2,269 |
| | Arlington | Virginia | 2,463 | 429 | ADVANCED DIGITAL SYSTEM INC | | S 2,268 * |
| 407 | NORDEN SYSTEMS INC | | 2,449 * | | San Diego | California | 2,268 |
| | Santa Ana | California | 590 | 431 | UNITED AIRLINES SERVICES CORP | | 2,253 * |
| | Norwalk | Conn | 1,807 | | Lakewood | Colorado | 800 |
| | Melville | New York | 52 | | Irving | Texas | 1,453 |
| 409 | PATEL ENTERPRISES INCORPORATED | | S 2,445 * | 432 | SYGNETRON PROTECTION SYSTEMS | | S 2,248 * |
| | Huntsville | Alabama | 2,445 | | Lutherville-Ti | Maryland | 2,248 |
| 410 | DECISION-SCIENCE APPLICATIONS | | S 2,436 * | 433 | ARRAL INDUSTRIES INC | | S 2,241 * |
| | Arlington | Virginia | 2,436 | | Ontario | California | 2,241 |
| 411 | KAMAN AEROSPACE CORPORATION | | 2,423 * | 435 | TOYON RESEARCH CORP | | S 2,234 * |
| | Bloomfield | Conn | 2,423 | | Goleta | California | 1,966 |
| 412 | DOW CHEMICAL COMPANY THE | | 2,417 * | | Santa Barbara | California | 268 |
| | Midland | Michigan | 2,167 | 437 | B-K DYNAMICS INC | | S 2,221 * |
| | Saginaw | Michigan | 250 | | San Diego | California | 473 |
| 413 | GENERAL APPLIED SCIENCE | | S 2,405 * | | Washington | D.C. | 546 |
| | Ronkonkoma | New York | 2,405 | | Rockville | Maryland | 1,202 |
| 414 | ADVANCED SCIENCES INC | | S 2,397 * | 438 | CUBIC CORPORATION | | 2,206 * |
| | Albuquerque | New Mexico | 2,397 | | San Diego | California | 2,206 |
| 415 | HYPRES INC | | S 2,395 * | 440 | THINKING MACHINES CORPORATION | | S 2,197 * |
| | Elmsford | New York | 2,395 | | Cambridge | Mass | 2,197 |
| 416 | POLARIS INC | | S 2,392 * | 442 | INTERNATIONAL COMPUTERS TELECOM | | S 2,190 * |
| | Arlington | Virginia | 1,367 | | Rockville | Maryland | 2,190 |
| | Falls Church | Virginia | 1,025 | 443 | TEXAS RESEARCH INSTITUTE INC | | S 2,185 * |
| 417 | ORION INTL TECHNOLOGIES | | S 2,383 * | | Austin | Texas | 2,185 |
| | Albuquerque | New Mexico | 956 | 444 | ADVANCED RES & APPLICATIONS | | S 2,171 * |
| | White Sands Ms | New Mexico | 1,427 | | Sunnyvale | California | 2,171 |
| 418 | SYSTEMS RES APPLICATIONS CORP | | S 2,379 * | 445 | CORTANA CORPORATION | | S 2,162 * |
| | El Segundo | California | 133 | | Falls Church | Virginia | 2,162 |
| | San Bernardino | California | 129 | 446 | KNOWLEDGE SYSTEMS CONCEPTS | | S 2,162 * |
| | Arlington | Virginia | 2,117 | | Mountain View | California | 485 |
| 419 | ELECTRONIC ASSOCIATES INC | | S 2,366 * | | Rome | New York | 1,040 |
| | Redstone Arsen | Alabama | 800 | | Dayton | Ohio | 125 |
| | West Long Bran | New Jersey | 1,556 | | Falls Church | Virginia | 512 |

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**Table 2. Net Value of DOD Prime Contract Awards Over \$25,000
for RDT&E to Business Firms: FY 1988**

| Rank | Name of Contractor Location of Work | Thousands of Dollars | Rank | Name of Contractor Location of Work | Thousands of Dollars |
|------|--|--|------|---|---|
| 447 | SCIENTIFIC RESEARCH ASSOC Glastonbury Conn | S 2,161 * 2,161 | 470 | SCIENTIFIC SYSTEMS INC Boston Mass Cambridge Mass | S 1,993 * 1,814 179 |
| 448 | CORVUS SYSTEMS INCORPORATED Charlottesville Virginia Vienna Virginia | S 2,159 * 254 1,905 | 472 | MICROELECTRONICS Austin Texas | 1,974 * 1,974 |
| 449 | O A O CORPORATION El Segundo California Greenbelt Maryland | 2,156 * 1,856 300 | 473 | SYSTEM RESOURCES CORPORATION Woburn Mass Shrewsbury New Jersey | S 1,974 * 1,584 390 |
| 451 | I-NET INC Rockville Maryland | S 2,124 * 2,124 | 474 | VISIDYNE INC Burlington Mass | S 1,966 * 1,966 |
| 454 | LOGISTICS MANAGEMENT ENGRG China Lake NUC California Annapolis Maryland Warminster Penn | S 2,103 * 588 1,470 45 | 475 | POTOMAC SYSTEMS ENGINEERING Annandale Virginia | S 1,965 * 1,965 |
| 455 | ARMAMENT SYSTEMS INC Anaheim California Fort Walton Be Florida Aberdeen Maryland | S 2,096 * 1,448 92 556 | 476 | PARSONS RALPH M COMPANY THE Pasadena California | 1,963 * 1,963 |
| 456 | EDO CORPORATION Shelton Conn New York New York | 2,094 * 111 1,983 | 477 | NETWORK EQUIPMENT TECHNOLOGIES Redwood City California | 1,939 * 1,939 |
| 458 | ROHM AND HAAS COMPANY Philadelphia Penn | 2,075 * 2,075 | 478 | RESEARCH & DEV LABORATORIES Culver City California Los Angeles California San Francisco California | S 1,935 * 1,100 163 672 |
| 459 | LSI INC Huntsville Alabama | S 2,071 * 2,071 | 479 | ARGOSYSTEMS INC Sunnyvale California | 1,919 * 1,919 |
| 460 | N K F ENGINEERING INC San Diego California Arlington Virginia Reston Virginia | S 2,065 * 431 79 1,555 | 480 | RAVEN INC Springfield Virginia | S 1,909 * 1,909 |
| 461 | SYSTEMS APPLICATIONS, INC McLean Virginia | 2,053 * 2,053 | 481 | ESSEX CORPORATION Fort Rucker Alabama Huntsville Alabama Orlando Florida Warminster Penn Alexandria Virginia | S 1,897 * 100 518 841 95 343 |
| 462 | COMMAND CONTRL COMMUNICATIONS San Diego California Oceanport New Jersey | 2,050 * 1,750 300 | 482 | PACIFICA TECHNOLOGY Del Mar California San Diego California | S 1,896 * 998 898 |
| 463 | TALLEY DEFENSE SYSTEMS INC Mesa Arizona | 2,048 * 2,048 | 483 | H R TEXTRON INC Los Angeles California Valencia California | 1,882 * 75 1,807 |
| 465 | TECHNOLOGY DEVELOPMENT CORP Huntsville Alabama | S 2,030 * 2,030 | 485 | TELECOMMUNICATION SCIENCE ASSOC San Diego California Dallas Texas | S 1,877 * 1,697 180 |
| 466 | SCI TEC INC Princeton New Jersey Shrewsbury New Jersey Wall New Jersey Wayside New Jersey Dayton Ohio | S 2,005 * 726 535 90 85 569 | 486 | GENTEX CORPORATION Carbondale Penn | 1,870 * 1,870 |
| 467 | REMINGTON ARMS COMPANY INC Ilion New York | 2,004 * 2,004 | 488 | T S C INC Santa Monica California New London Conn Fort Lauderdale Florida Silver Spring Maryland Dahlgren Virginia | 1,847 * 1,480 100 59 62 146 |
| 468 | EAGLE-PICHER INDUSTRIES INC El Segundo California Colorado Sprin Colorado Lenexa Kansas Joplin Missouri | 2,002 * 890 225 343 544 | 491 | KOLLMORGEN CORPORATION Northampton Mass Roanoke Virginia | 1,837 * 1,752 85 |
| 469 | DURODYNE INC Tucson Arizona | S 1,998 * 1,998 | 493 | NTS ENGINEERING Long Beach California | S 1,832 * 1,832 |

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**Table 2. Net Value of DOD Prime Contract Awards Over \$25,000
for RDT&E to Business Firms: FY 1988**

| Rank | Name of Contractor Location of Work | Thousands of Dollars | Rank | Name of Contractor Location of Work | Thousands of Dollars |
|------|--|---------------------------------------|------|--|-------------------------|
| 494 | MAYFLOWER COMMUNICATION CO Sunnyvale California Wakefield Mass | S 1,826 * 50 1,776 | | | |
| 496 | LASER SCIENCE, INC Cambridge Mass | S 1,816 * 1,816 | | | |
| 497 | AHNTECH INC San Diego California | S 1,814 * 1,814 | | | |
| 498 | SCIENCE & ENGINEERING ASSOC Denver Colorado Bellevue Nebraska Albuquerque New Mexico Kirtland AFB New Mexico | S 1,795 * 51 48 1,546 150 | | | |
| 499 | C V D INCORPORATED Woburn Mass | 1,794 * 1,794 | | | |
| 500 | NATIONAL FORGE COMPANY Irvine Penn | 1,780 * 1,780 | | | |
| | TOTAL | 19,026,713 | | | |

- = Minus Amount (Cancellations Exceed New Awards)
S = Small Business

**Table 3. Net Value of DOD Prime Contract Awards Over \$25,000
for RDT&E to Educational and Nonprofit Institutions: FY 1988**

| Rank | Name of Contractor Location of Work | Thousands of Dollars | Rank | Name of Contractor Location of Work | Thousands of Dollars |
|------|---|---|------|---|--|
| 15 | MASSACHUSETTS INST OF TECHNOLOGY Columbia Maryland Cambridge Mass Lexington Mass | 403,665 * 50 36,216 367,399 | 65 | RAND CORPORATION Los Angeles California Santa Monica California | 44,928 * 19,222 25,706 |
| 16 | AEROSPACE CORPORATION El Segundo California | 367,000 * 367,000 | 69 | GEORGIA INSTITUTE TECHNOLOGY Atlanta Georgia | 41,395 * 41,395 |
| 18 | JOHNS HOPKINS UNIVERSITY Baltimore Maryland Laurel Maryland Shady Side Maryland | 353,949 * 5,493 348,410 46 | 79 | STANFORD UNIVERSITY Los Angeles California Stanford California Stanford Unive California | 33,773 * 523 25,753 7,437 |
| 19 | MITRE CORPORATION Bedford Mass McLean Virginia | 351,616 * 342,187 9,429 | 87 | UNIVERSITY OF SOUTHERN CALIF Los Angeles California Marina del Ray California San Diego California | 27,819 * 27,303 253 263 |
| 28 | DRAPER CHARLES STARK LAB INC Cambridge Mass | 139,592 * 139,592 | 88 | ANALYTIC SERVICES INC Arlington Virginia | 27,362 * 27,362 |
| 47 | UNIVERSITY OF CALIFORNIA Berkeley California Davis California Fullerton California Irvine California Livermore California Long Beach California Los Angeles California Oakland California Placentia California Riverside California San Diego California San Francisco California Santa Barbara California Santa Cruz California Torrance California | 66,325 * 12,559 884 40 3,508 100 1,699 7,911 73 7,425 261 19,143 1,453 9,982 1,123 164 | 97 | BATTELLE MEMORIAL INSTITUTE Birmingham Alabama Huntsville Alabama Tucson Arizona Azusa California Berkeley California Huntington Bea California Los Angeles California Placentia California Santa Monica California Solana Beach California Stanford California Fort Collins Colorado Milford Conn Orange Conn Simsbury Conn Washington D.C. Melbourne Florida Orlando Florida Satellite Beac Florida Tallahassee Florida Tampa Florida Atlanta Georgia Columbus Georgia Champaign Illinois Chicago Illinois Urbana Illinois West Lafayette Indiana Leawood Kansas Orono Maine Aberdeen Prov Maryland Baltimore Maryland Elkton Maryland Rockville Maryland Amherst Mass Cambridge Mass Chelmsford Mass Reading Mass Wakefield Mass Wilmington Mass Ann Arbor Michigan Minneapolis Minnesota St. Paul Minnesota St. Louis Missouri Chatham New Jersey Florham Park New Jersey Princeton New Jersey Shrewsbury New Jersey West Caldwell New Jersey Española New Mexico Las Cruces New Mexico Albany New York New York New York Syracuse New York Troy New York | 24,450 * 96 144 56 42 129 27 40 35 136 27 28 35 39 70 48 41 74 26 102 40 31 102 28 145 74 102 28 45 38 3,630 70 87 30 28 154 60 75 28 40 103 32 67 111 50 45 107 40 35 27 66 28 28 78 76 |
| 49 | SRI INTERNATIONAL Menlo Park California | 59,125 * 59,125 | | | |
| 52 | ILLINOIS RESEARCH INSTITUTE Colorado Sprin Colorado Chicago Illinois Chicago O'Hare Illinois Lanham Maryland Bellevue Nebraska Rochester New York Rome New York Bartlesville Oklahoma Philadelphia Penn Oak Ridge Tennessee GERMANY, F | 55,557 * 50 50,157 50 1,407 95 370 370 56 627 2,046 329 | | | |
| 58 | CARNEGIE-MELLON UNIVERSITY Pittsburgh Penn | 50,014 * 50,014 | | | |
| 63 | PENNSYLVANIA STATE UNIV THE Penn State Col Penn State College Penn | 46,816 * 200 46,616 | | | |
| 64 | UNIVERSITY OF TEXAS SYSTEM Allenfarm Texas Arlington Texas Austin Texas Dallas Texas El Paso Texas Galveston Texas Houston Texas Richardson Texas San Antonio Texas | 46,008 * 50 739 41,602 300 94 1,061 146 1,751 265 | | | |

- = Minus Amount (Cancellations Exceed New Awards)
S = Small Business

**Table 3. Net Value of DOD Prime Contract Awards Over \$25,000
for RDT&E to Educational and Nonprofit Institutions: FY 1988**

| Rank | Name of Contractor Location of Work | Thousands of Dollars | Rank | Name of Contractor Location of Work | Thousands of Dollars |
|------|--|-------------------------|------|--|-------------------------|
| | BATTELLE MEMORIAL INSTITUTE | | | | |
| | Raleigh N Carolina | 35 | 142 | UNIVERSITY OF MARYLAND | 13,292 * |
| | Columbus Ohio | 16,276 | | Denver Colorado | 88 |
| | Kettering Ohio | 36 | | Washington D.C. | 183 |
| | Worthington Ohio | 37 | | Baltimore Maryland | 2,251 |
| | Bethlehem Penn | 35 | | Cambridge Maryland | 27 |
| | Madison Penn | 48 | | College Park Maryland | 10,426 |
| | Philadelphia Penn | 31 | | Falls Church Virginia | 40 |
| | Columbia S Carolina | 30 | | CHILE | 277 |
| | Austin Texas | 30 | | | |
| | College Station Texas | 51 | 145 | LOGISTICS MANAGEMENT INST | 12,297 * |
| | Dallas Texas | 31 | | Bethesda Maryland | 12,297 |
| | El Paso Texas | 32 | 164 | MASSACHUSETTS UNIVERSITY OF | 10,389 * |
| | Salt Lake City Utah | 26 | | Amherst Mass | 9,346 |
| | Charlottesville Virginia | 61 | | Amherst Center Mass | 300 |
| | Fairfax Virginia | 130 | | Worcester Mass | 704 |
| | Herndon Virginia | 26 | | Cincinnati Ohio | 39 |
| | Manassas Virginia | 28 | 167 | COLUMBIA UNIVERSITY | 9,958 * |
| | Norfolk Virginia | 36 | | New York New York | 9,918 |
| | Reston Virginia | 28 | | Palisades New York | 40 |
| | Springfield Virginia | 76 | 172 | SOUTHWEST RESEARCH INSTITUTE | 9,604 * |
| | Vienna Virginia | 118 | | China Lake NWC California | 62 |
| | Virginia Beach Virginia | 37 | | San Antonio Texas | 9,359 |
| | Richland Washington | 289 | | San Antonio Ai Texas | 183 |
| 98 | RIVERSIDE RESEARCH INSTITUTE | 24,434 * | 176 | UNIVERSITY OF MICHIGAN | 9,241 * |
| | Bedford Mass | 1,262 | | Washington D.C. | 44 |
| | New York New York | 22,764 | | Ann Arbor Michigan | 8,607 |
| | Arlington Virginia | 408 | | Dearborn Michigan | 450 |
| 101 | HUDSON INSTITUTE INC | 23,655 * | | Lansing Michigan | 140 |
| | Indianapolis Indiana | 19,670 | 177 | CALIFORNIA INST OF TECHNOLOGY | 9,204 * |
| | Alexandria Virginia | 3,985 | | Huntington Bea California | 81 |
| 108 | UNIVERSITY OF WASHINGTON | 20,837 * | | Pasadena California | 9,123 |
| | Seattle Washington | 20,837 | 182 | PURDUE UNIVERSITY | 8,877 * |
| 109 | UNIVERSITY OF ILLINOIS | 20,697 * | | Lafayette Indiana | 1,145 |
| | Normal Alabama | 100 | | Purdue Univers Indiana | 464 |
| | Caldwells Illinois | 45 | | West Lafayette Indiana | 7,268 |
| | Champaign Illinois | 7,716 | 193 | GEORGE WASHINGTON UNIV THE | 8,344 * |
| | Chicago Illinois | 4,970 | | Washington D.C. | 8,344 |
| | Urbana Illinois | 7,866 | 197 | ITT RESEARCH INSTITUTE | 8,212 * |
| 110 | INSTITUTE FOR DEF ANALYSES | 20,657 * | | Chicago Illinois | 8,212 |
| | Alexandria Virginia | 20,657 | 198 | RESEARCH TRIANGLE INSTITUTE | 7,963 * |
| 117 | UNIVERSITY OF DAYTON INC | 19,423 * | | Melbourne Florida | 758 |
| | Williams AFB Arizona | 2,444 | | Raleigh N Carolina | 255 |
| | Edwards AFB California | 1,510 | | Research Trian N Carolina | 6,950 |
| | College Ohio | 95 | 204 | NEW MEXICO STATE UNIVERSITY | 7,692 * |
| | Dayton Ohio | 12,411 | | Las Cruces New Mexico | 1,987 |
| | Montgomery Ohio | 249 | | White Sands Ms New Mexico | 5,705 |
| | Wright Patters Ohio | 2,714 | 206 | OREGON STATE UNIVERSITY | 7,637 * |
| 122 | UTAH STATE UNIVERSITY | 17,532 * | | Corvallis Oregon | 7,637 |
| | Logan Utah | 17,231 | 207 | SYRACUSE UNIVERSITY | 7,513 * |
| | Magna Utah | 301 | | Syracuse New York | 7,513 |
| 127 | SOUTH CAROLINA RES AUTHORITY | 16,161 * | 209 | UNIVERSITY OF WISCONSIN SYSTEM | 7,480 * |
| | Charleston S Carolina | 16,161 | | Kenosha Wisconsin | 114 |
| 136 | CORNELL UNIVERSITY | 14,004 * | | Madison Wisconsin | 7,069 |
| | Ithaca New York | 13,256 | | Milwaukee Wisconsin | 297 |
| | New York New York | 582 | 219 | SOUTHERN RESEARCH INSTITUTE | 6,957 * |
| | White Plains New York | 166 | | Birmingham Alabama | 6,957 |
| 139 | WOODS HOLE OCEANOGRAPHIC INSTN | 13,423 * | | | |
| | Woods Hole Mass | 13,423 | | | |

- = Minus Amount (Cancellations Exceed New Awards)
S = Small Business

**Table 3. Net Value of DOD Prime Contract Awards Over \$25,000
for RDT&E to Educational and Nonprofit Institutions: FY 1988**

| Rank | Name of Contractor Location of Work | Thousands of Dollars | Rank | Name of Contractor Location of Work | Thousands of Dollars |
|------|--|--|------|--|---------------------------------------|
| 223 | YALE UNIVERSITY New Haven Conn | 6,858 * 6,858 | 274 | NATIONAL ACADEMY SCIENCES USA San Diego California Washington D.C. | 5,279 * 70 5,209 |
| 226 | RENSSELAER POLYTECHNIC INST Chili Junction New York Troy New York | 6,690 * 50 6,640 | 281 | UNIVERSITY OF CENTRAL FLORIDA Orlando Florida | 4,999 * 4,999 |
| 229 | ENVIRON RSCH INST OF MICHIGAN Ann Arbor Michigan | 6,601 * 6,601 | 286 | VIRGINIA POLYTECHNICAL INST Blacksburg Virginia | 4,842 * 4,842 |
| 231 | BROWN UNIVERSITY Providence Rhode Isl | 6,470 * 6,470 | 303 | MERCER UNIVERSITY Macon Georgia Robins AFB Georgia | 4,500 * 3,117 1,383 |
| 232 | UNIVERSITY OF ROCHESTER Rochester New York | 6,405 * 6,405 | 305 | COLORADO STATE UNIVERSITY Fort Collins Colorado | 4,444 * 4,444 |
| 233 | UNIVERSITY OF PENNSYLVANIA New Canaan Conn Philadelphia Penn | 6,402 * 49 6,353 | 309 | UNIVERSITY OF MINNESOTA Duluth Minnesota Minneapolis Minnesota St. Paul Minnesota | 4,325 * 379 821 3,125 |
| 237 | SALK INST FOR BLGICAL STUDIES San Diego California Swiftwater Penn | 6,254 * 557 5,697 | 310 | AUBURN UNIVERSITY Auburn Alabama | 4,318 * 4,318 |
| 240 | TEXAS A & M UNIVERSITY Arlington Texas College Statio Texas San Antonio Texas | 6,075 * 900 5,050 125 | 312 | VANDERBILT UNIVERSITY THE Nashville Tennessee | 4,176 * 4,176 |
| 244 | PRINCETON UNIVERSITY Bayview Shores New Jersey Princeton New Jersey | 5,948 * 30 5,918 | 321 | UNIVERSITY OF FLORIDA Gainesville Florida Orlando Florida | 4,059 * 4,021 33 |
| 245 | UNIVERSITY OF NEW MEXICO Albuquerque New Mexico Kirtland AFB New Mexico Las Cruces New Mexico | 5,923 * 1,867 3,946 110 | 327 | UNIV CORP FOR ATMOSPHERIC RSC National Space Miss | 3,859 * 3,859 |
| 246 | HARVARD UNIVERSITY Cambridge Mass | 5,919 * 5,919 | 328 | OHIO STATE UNIVERSITY Atlanta Georgia Columbus Ohio Urbancrest Ohio | 3,786 * 118 3,524 144 |
| 249 | UNIVERSITY OF ALABAMA Birmingham Alabama Huntsville Alabama Tuscaloosa Alabama Tuskegee Alabama | 5,858 * 830 4,491 445 92 | 331 | SOUTHEASTN CTR ELECTR ENG ED Casa Bianco Florida Saint Cloud Florida Bedford Mass Buffalo New York | 3,770 * 212 2,488 350 720 |
| 250 | UNIVERSITY OF UTAH Salt Lake City Utah | 5,852 * 5,852 | 334 | NEW YORK UNIVERSITY Beacon New York New York New York | 3,676 * 973 2,703 |
| 251 | NORTH CAROLINA STATE UNIV Jubilee N Carolina Raleigh N Carolina | 5,851 * 45 5,806 | 338 | UNIVERSITY OF COLORADO Boulder Colorado Colorado Sprin Colorado Denver Colorado | 3,508 * 2,894 146 468 |
| 256 | UNIVERSITY OF ARIZONA Tempe Arizona Tucson Arizona | 5,697 * 177 5,520 | 344 | UNIVERSITY OF NORTH CAROLINA Chapel Hill N Carolina Charlotte N Carolina | 3,379 * 3,297 82 |
| 264 | BOSTON UNIVERSITY TRUSTEES OF Boston Mass | 5,541 * 5,541 | 356 | POLYTECHNIC UNIV OF NEW YORK Farmingdale New York New York New York | 3,197 * 1,005 2,192 |
| 266 | STATE UNIVERSITY OF NEW YORK Albany New York Binghamton New York Brookhaven New York Buffalo New York Old Westbury New York Stony Brook New York Syracuse New York Syracuse New York | 5,524 * 2,283 92 100 1,929 140 537 120 323 | 360 | UNIVERSITY OF RHODE ISLAND Kingston Rhode Isl Narragansett Rhode Isl Providence Rhode Isl | 3,145 * 1,454 195 1,496 |
| | | | 362 | UNIVERSITY OF VIRGINIA Pittsburgh Penn Charlottesville Virginia | 3,129 * 52 3,077 |

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**Table 3. Net Value of DOD Prime Contract Awards Over \$25,000
for RDT&E to Educational and Nonprofit Institutions: FY 1988**

| Rank | Name of Contractor Location of Work | Thousands of Dollars | Rank | Name of Contractor Location of Work | Thousands of Dollars |
|------|--|--------------------------------------|------|--|-------------------------|
| 366 | CASE WESTERN RESERVE UNIV Cleveland Ohio Wright Patters Ohio | 3,035 * 2,763 272 | 484 | CATHOLIC UNIVERSITY OF AMERICA Washington D.C. | 1,881 * 1,881 |
| 368 | NORTHWESTERN UNIVERSITY Evanston Illinois | 3,007 * 3,007 | 487 | SOUTHERN METHODIST UNIVERSITY Allenfarm Texas Dallas Texas | 1,861 * 134 1,727 |
| 369 | CLEMSON UNIVERSITY Clemson Univer S Carolina | 3,001 * 3,001 | 489 | AMERICAN SOC FOR ENGRG EDUCTN Washington D.C. | 1,842 * 1,842 |
| 370 | DUKE UNIVERSITY Apex N Carolina Beaufort N Carolina Duke Universit N Carolina Durham N Carolina | 2,951 * 320 282 60 2,289 | 492 | LOUISIANA STATE UNIVERSITY Baton Rouge Louisiana New Orleans Louisiana | 1,837 * 773 1,064 |
| 382 | UNIVERSITY OF TENNESSEE Knoxville Tennessee Memphis Tennessee Tullahoma Tennessee | 2,760 * 1,881 140 739 | 495 | RICE WILLIAM MARSH UNIVERSITY Houston Texas | 1,820 * 1,820 |
| 389 | STATE OF OKLAHOMA Eglin Air Forc Florida Battiest Oklahoma Stillwater Oklahoma | 2,696 * 1,983 85 628 | | TOTAL | 2,709,630 |
| 391 | UNIVERSITY OF IOWA THE Iowa City Iowa | 2,649 * 2,649 | | | |
| 401 | UNIVERSITY OF CONNECTICUT Farmington Conn Storrs Conn | 2,498 * 112 2,386 | | | |
| 408 | ARIZONA STATE UNIVERSITY Tempe Arizona | 2,447 * 2,447 | | | |
| 422 | SYRACUSE RESEARCH CORP Syracuse New York | 2,337 * 2,337 | | | |
| 424 | UNIVERSITY OF PITTSBURGH Banian Junctio Penn Pittsburgh Penn | 2,323 * 177 2,146 | | | |
| 430 | RUTGERS THE STATE UNIVERSITY Barkers Corner New Jersey New Brunswick New Jersey Piscataway New Jersey | 2,265 * 75 871 1,319 | | | |
| 434 | UNIVERSITY OF CHICAGO THE Chicago Illinois | 2,239 * 2,239 | | | |
| 436 | DARTMOUTH COLLEGE Hanover N.H. | 2,226 * 2,226 | | | |
| 439 | NATIVE AMERICAN SERVICE ASSN Huntsville Alabama | 2,205 * 2,205 | | | |
| 441 | MICHIGAN DEPT OF PUBLIC HEALTH Lansing Michigan | 2,196 * 2,196 | | | |
| 450 | UNIVERSITY OF DELAWARE Newark Delaware | 2,140 * 2,140 | | | |
| 452 | NORTHEASTERN UNIVERSITY CORP Boston Mass | 2,122 * 2,122 | | | |
| 453 | GENERAL HOSPITAL CORPORATION Boston Mass | 2,112 * 2,112 | | | |
| 464 | UNIVERSITY OF HAWAII Honolulu Hawaii | 2,044 * 2,044 | | | |

- = Minus Amount (Cancellations Exceed New Awards)
S = Small Business

**Table 4. Net Value of DOD Prime Contract Awards Over \$25,000
for RDT&E to Foreign Contractors: FY 1988**

| Rank | Name of Contractor Location of Work | Thousands of Dollars | Rank | Name of Contractor Location of Work | Thousands of Dollars |
|------|---|-------------------------|------|--|-------------------------|
| 89 | MESSERSCHMITT-BOELKOW BLOHM GERMANY, F | 27,197 * 27,197 | | | |
| 126 | ISRAEL AIRCRAFT INDS INTL ISRAEL | 16,480 * 16,480 | | | |
| 132 | ROYAL NORWEGIAN NAVAL MATERIAL NORWAY | 15,621 * 15,621 | | | |
| 150 | CANADIAN COMMERCIAL CORPORATN CANADA | 11,446 * 11,446 | | | |
| 159 | MINISTRY OF DEFENSE UK UNITED KIN | 10,680 * 10,680 | | | |
| 212 | MARTIN-BAKER AIRCRAFT CO LTD UNITED KIN | 7,360 * 7,360 | | | |
| 261 | ANDREW ANTENNA GOVERNMENT PRO AUSTRALIA AUSTRIA | 5,594 * 5,062 532 | | | |
| 279 | ISREALI MINISTRY OF DEFENSE ISRAEL | 5,000 * 5,000 | | | |
| 297 | BOFORS A B SWEDEN | 4,588 * 4,588 | | | |
| 306 | ISRAEL AC IND ISRAEL | 4,400 * 4,400 | | | |
| 316 | COSYDE GIE FRANCE | 4,123 * 4,123 | | | |
| 319 | SNIA BPD ITALY | 4,094 * 4,094 | | | |
| 345 | UNITED KINGDOM MINISTRY OF DEF UNITED KIN | 3,350 * 3,350 | | | |
| 385 | UNITED KINGDOM AUTOMIC UNITED KIN | 2,737 * 2,737 | | | |
| 397 | HECKLER & KOCH INC GERMANY, F | 2,514 * 2,514 | | | |
| 471 | CANADIAN MARCONI COMPANY CANADA | 1,987 * 1,987 | | | |
| 490 | CONTRAVES ITALIANA SPA ITALY | 1,842 * 1,842 | | | |
| | TOTAL | 129,013 | | | |

- = Minus Amount (Cancellations Exceed New Awards)
S = Small Business

**Table 5. Net Value of DOD Prime Contract Awards Over \$25,000
for RDT&E to U.S. Government Agencies: FY 1988**

| Rank | Name of Contractor Location of Work | Thousands of Dollars | Rank | Name of Contractor Location of Work | Thousands of Dollars |
|------|--|-------------------------|------|--|-------------------------|
| 224 | U S DEPARTMENT OF COMMERCE | 6,837 * | | | |
| | Boulder Colorado | 1,125 | | | |
| | Washington D.C. | 2,980 | | | |
| | Gaithersburg Maryland | 1,688 | | | |
| | Rockville Maryland | 523 | | | |
| | Bay St. Louis Miss | 145 | | | |
| | Seattle Washington | 376 | | | |
| 355 | UNITED STATES DEPT ENERGY | 3,215 * | | | |
| | Berkeley California | 50 | | | |
| | Oakland California | 411 | | | |
| | San Francisco California | 50 | | | |
| | Washington D.C. | 50 | | | |
| | Idaho Falls Idaho | 170 | | | |
| | Argonne Illinois | 411 | | | |
| | Syracuse New York | 50 | | | |
| | Upton New York | 161 | | | |
| | Oak Ridge Tennessee | 200 | | | |
| | Redmond Washington | 590 | | | |
| | Richland Washington | 1,072 | | | |
| 457 | NATIONAL SCIENCE FOUNDATION | 2,090 * | | | |
| | Washington D.C. | 2,090 | | | |
| | TOTAL | 12,142 | | | |

- = Minus Amount (Cancellations Exceed New Awards)
S = Small Business